DESIGN
2
C-27

RETURN TO
DESIGN DIV.

DIXON DENTAL CATALOG

PATENT OFFICE
MAY 27 1948
DESIGN DIVISION

DIXON

RK
686
.D6
1940
cop.2

554

SCIENTIFIC LIBRARY

UNITED STATES PATENT OFFICE

GPO 16—53001-1

Mr. Gray (Des.

63191

PATENT OFFICE

MAY 27 1948

DESIGN DIVISION

LIBRARY
MAY 24 1948
U S PATENT OFFICE

PATENT OFFICE
MAY 27 1948
DESIGN DIVISION

SAMUEL F. DIXON, PRESIDENT

LIBRARY
MA 948
U S PATENT OFFICE

THE HOME OF DIXON PRODUCTS

Superior Facilities and Service

LIBRARY
MAY 24 1948
U.S. PATENT OFFICE

THE House of Dixon has an established reputation for marketing only quality merchandise at reasonable prices and has more than SIXTY YEARS successful business activities back of its organization.

WILLIAM DIXON, INCORPORATED

Executive Offices, Manufacturing and
Sales Departments
32-34-36 EAST KINNEY STREET, NEWARK, N. J.

New York Salesrooms
110 FULTON STREET   36 WEST 47th STREET

DIXON

63191

FOR sixty-two years the House of Dixon has been at the service of its customers. The business was founded and has grown and expanded on a consistent policy of producing and selling only DEPENDABLE goods, at lowest prices consistent with the maintenance of high standards of quality. The first Dixon Dental Catalog was issued thirty-three years ago. The present edition will be consulted and used throughout the Dental Profession in North and South America and in all countries where dentistry is practiced and taught.

It is impossible to over-emphasize the importance of assuring DEPENDABILITY of Dental Equipment and Supplies. Time is the most costly element that enters into laboratory practice or dental work at the chair. Hence, while the total investment in necessary equipment is considerable, the time saving productiveness of highest quality, modern appurtenances is soon apparent and represents the truest economy. In the manifold variety of supplies required unit price is often so small that it does not pay to risk expensive, annoying delays through attempts to use articles of doubtful quality, whose chief recommendation is a seeming lowness of price.

OUR GUARANTEE

We guarantee every article listed in this catalog. Not only do we warrant everything to be equal to our description or pictured representation but we go further—the things you buy from us must in every way meet your expectations as to quality—style—finish—and as to the Service which you have a right to expect from them. If found to be otherwise, they may be returned within a reasonable time.

A SUGGESTION

In ordering, please mention the CATALOG NUMBER in addition to the name of the article wanted.

And where there is more than one size under the same catalog number, be sure to mention the EXACT SIZE or sizes desired.

This will aid us in avoiding mistakes and will save loss of your time, delayed deliveries and unnecessary correspondence.

WILLIAM DIXON, INCORPORATED
SAMUEL F. DIXON, President

Design
RK
686
.D6
1940
Cop. 2

TERMS

So that there may be a complete understanding between our customers and ourselves, we have adopted the following terms, which will govern all sales:

After your credit has been established with us, all payments for goods are due 30 days from date of invoice—net cash—no discount. One per cent. discount allowed on all payments made within 10 days from date of invoice.

All accounts past due will be subject to Sight Draft.

Where a regular credit has not been arranged, we will ship C. O. D., provided enough money is sent with the order to cover the carrying charges and our own expense for packing the goods. All payments are to be made directly to the Company, none to salesmen.

All prices made include packing and delivery to a transportation company F. O. B., Newark, N. J. We do not pay freight or express charges.

For all goods shipped by freight or express, we take proper receipts, so that you can claim full damages from the transportation company in case of loss. While our legal responsibility for the goods ceases after we have taken a receipt from a common carrier, we are, of course, glad to assist you in every way within our power to recover your goods should they be lost, or to secure a proper reimbursement from the carrier.

Shipping Instructions

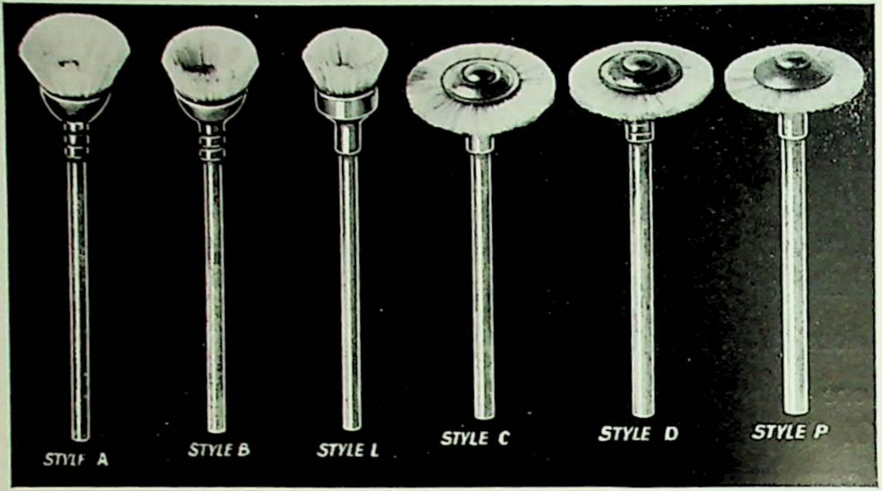
It is advisable to give us instructions how to ship your goods, which we will follow carefully. If you do not give shipping instructions, we shall make shipment to your best advantage according to our judgment.

Please address all communications regarding orders or shipments direct to us.

WILLIAM DIXON, INCORPORATED
32-34-36 E. Kinney Street,
Newark, N. J.

DIXON'S SUPERIOR BRISTLE DISKS

PATENTED—STERILIZED—INDIVIDUALLY INSPECTED



(Illustration Shows Exact Sizes of Brushes)

MANDREL MOUNTED TEETH CLEANING AND POLISHING BRUSHES

Fig. 9000

We furnish these disks made of White Bristle, also of Silver Gray Bristle.

Silver Gray Disks are always supplied unless White Bristle is specified. State which you want and avoid errors.

Packed one-half dozen in a box

Styles
D
and
C

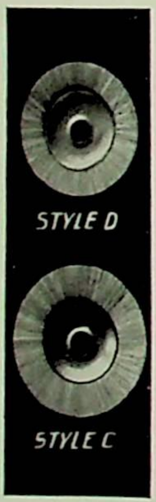
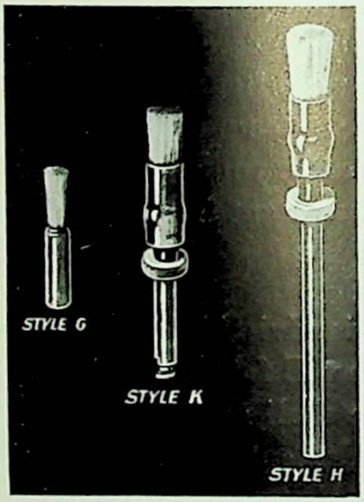


Fig. 9004

UNMOUNTED TEETH CLEANING BRUSHES

Made in two sizes
Style D, $\frac{5}{8}$" Diameter
Style C, $\frac{11}{16}$" "
White Bristle
Silver Gray Bristle
One dozen on a card



Styles
G, K
and
H

Fig. 9001—Style G

TEETH CLEANING BRUSHES

Grades: Hard, Medium,
Extra Hard or Assorted.
White Bristle Black Bristle

Fig. 9002—Style K

PORTE POLISHERS

For Right Angle Handpiece
White Bristle
Black Bristle
Silver Gray Bristle

Fig. 9003—Style H

PORTE POLISHERS

For No. 7 Handpiece
White Bristle
Black Bristle
Silver Gray Bristle

Styles G, K and H Brushes are packed one dozen in a box

DIXON WOOD CENTER BRUSH WHEELS

The Dixon Brush Factory is the largest and best equipped in the U. S. A. for the manufacture of brushes of this character. The brushes are correctly designed, and materials, workmanship and finish are of highest quality. Each brush bears the DIXON GUARANTEE of your full satisfaction. It must make good for you or we make good to you.

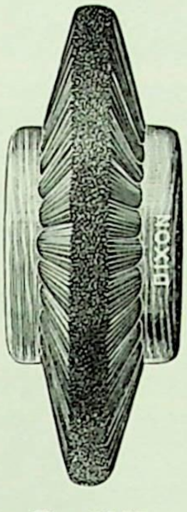


Fig. 9006

CONVERGING SHAPE

Stiff Black Bristle

No. B 12	1⅞″ Diam.	2 Rows
No. B 20	2½″ "	2 "
No. B 23	2¾″ "	3 "
No. B 27	3″ "	4 "

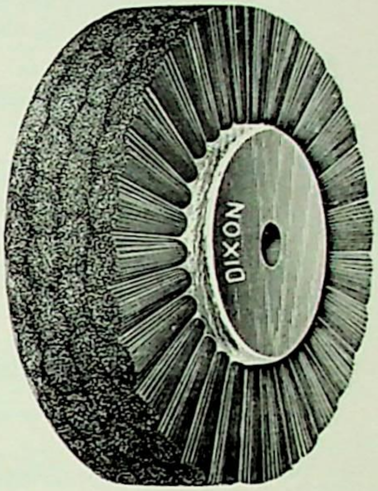


Fig. 9005

UPRIGHT SHAPE

Stiff Black Bristle

No. B 25	2¾″ Diam.	3 Rows
No. B 29	3″ "	4 "

Soft White Bristle

No. W 26	2¾″ Diam.	3 Rows
No. W 30	3″ "	4 "

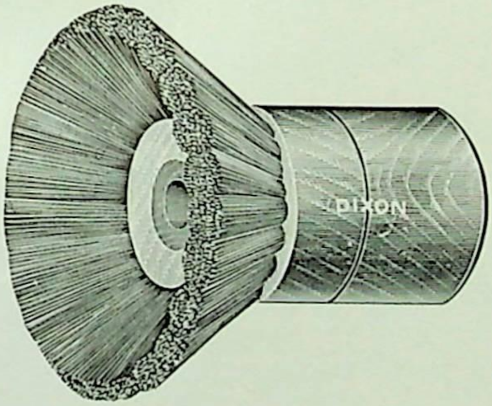


Fig. 9009

CUP SHAPE

Extra Stiff Black Bristle

No. B 65	1⅞″ Diam.	2 Rows

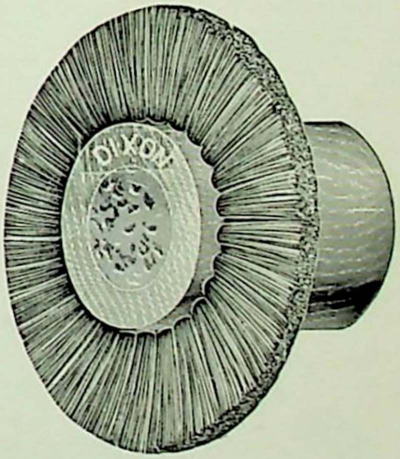


Fig. 9010

UPRIGHT SHAPE

Extra Stiff Black Bristle

No. B 66	1⅞″ Diam.	2 Rows

Above numbers and sizes adopted as standard by American Dental Trade Association.
Other sizes not listed can be supplied to order.

CAMEL HAIR, SABLE HAIR AND TOOTH CLASP BRUSHES

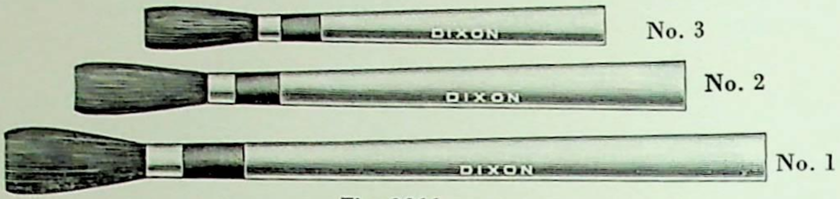


Fig. 9011

CAMEL'S HAIR BRUSHES

Illustrations Show Exact Sizes

For Varnishing Plaster Casts, Etc.

No. 1, 3⅞" long; No. 2, 3⅛" long; No. 3, 2⅜" long

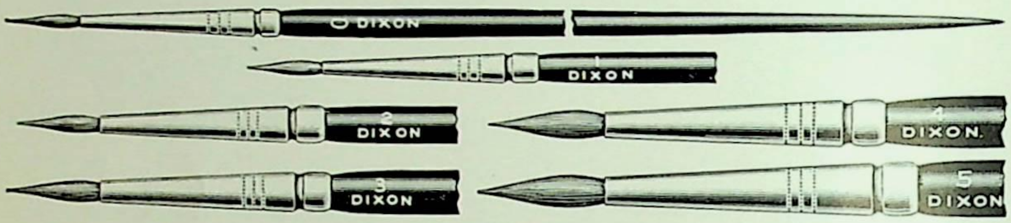


Fig. 9012

RED SABLE HAIR BRUSHES

Illustrations Are Exact Sizes of Parts Shown

For Porcelain Inlay Work

Made of fine, selected red sable hair, securely fastened in a metal ferrule, with black enameled wood handle. Made in six sizes as illustrated.

Sizes: No. 0, No. 1, No. 2, No. 3, No. 4 and No. 5.

◆

TOOTH CLASP BRUSHES

For cleaning Clasps on partial plates and removable bridge work

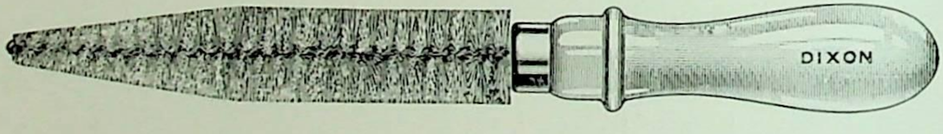


Fig. A 9013 No. 1, Straight Tapered End

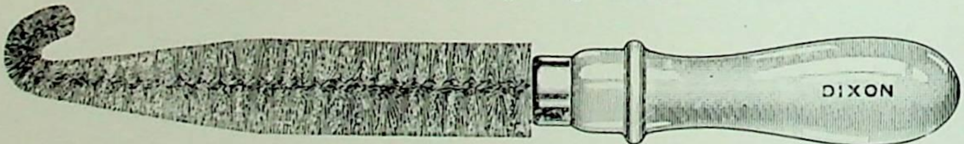


Fig. B 9013 No. 2, Curved Tapered End

The wire in these brushes is MONEL METAL. There is no coating to wear off and no rust—resists acids and corrosion. Stiff white bristles are used and the handle is Ivory White.
Size: Brush part, 3½"; length over all, 6". Each brush is packed in an individual, sanitary box.

TOOTH CLASP, HANDPIECE, METAL CENTER, WIRE LATHE AND HAND SCOURING BRUSHES

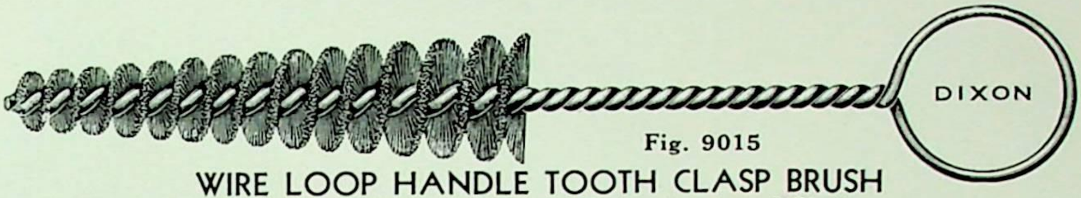


Fig. 9015

WIRE LOOP HANDLE TOOTH CLASP BRUSH
Made with Stiff Black Bristle (Illustration Actual Size)

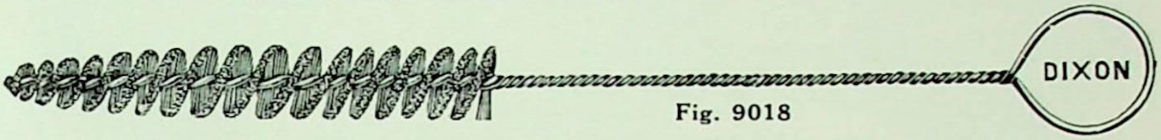


Fig. 9018

STIFF BLACK BRISTLE BRUSH FOR CLEANING HAND PIECES
Length: Brush Part, 3″; Over All, 8½″

⁂

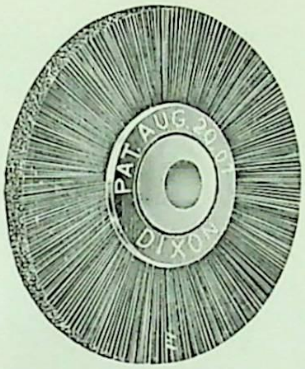


Fig. 9019

METAL CENTER BRUSHES

1⅞″ Diameter
2 Rows

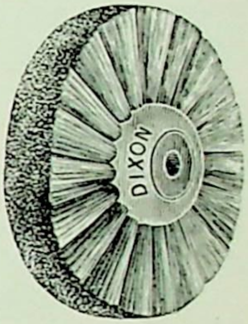
Blocks cannot crack or split. Made with soft metal bushing which screws readily on spindle.

No. P12 B Stiff Black Bristle
No. P12 Gray Medium Bristle

Fig. 9017

STEEL AND BRASS WIRE LATHE BRUSHES

Made of Medium Size Wire



2½″ Diam.	1″ Block	2 Rows
2½″ "	1″ "	3 "
3″ "	1¼″ "	3 "
3″ "	1¼″ "	4 "
4″ "	1½″ "	3 "

Brushes supplied with leaded blocks.
Specify kind of wire wanted.

⁂

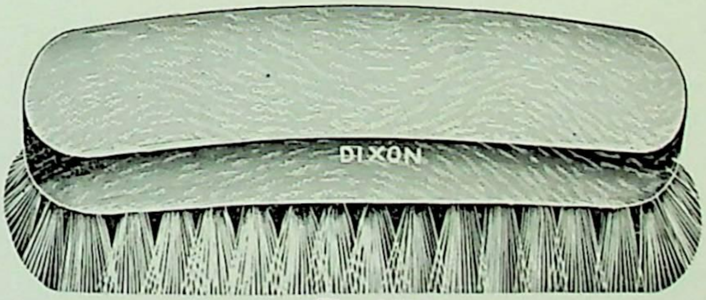


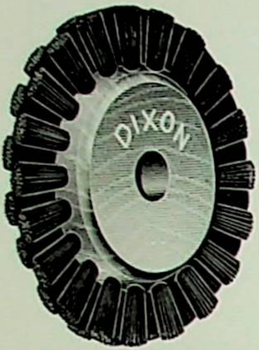
Fig. 9014

WHITE TAMPICO HAND SCOURING BRUSH

Especially useful in dental office or laboratory as a nail or hand brush or for any scouring purpose. Dimensions: 5″ long, 2″ wide. 14 knots, 7 rows.

BRISTLE, STEEL AND BRASS WIRE WHEEL BRUSHES

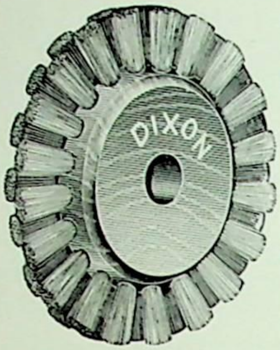
Used on Dental Machines
FOR CLEANING BURS AND FILES



BRISTLE

Fig. 9020
For use with Chuck Fig. 9026

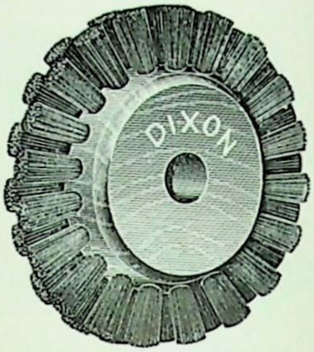
Fig. 9023
For use with Chuck Fig. 9027



STEEL WIRE

Fig. 9021
For use with Chuck Fig. 9026

Fig. 9024
For use with Chuck Fig. 9027



BRASS WIRE

Fig. 9022
For use with Chuck Fig. 9026

Fig. 9025
For use with Chuck Fig. 9027

◆

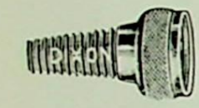


Fig. 9026

TAPERED CHUCK

For use in connection with Brushes Figs. 9020 to 9022.

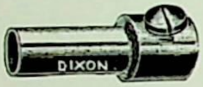


Fig. 9027

PLAIN CHUCK

For use in connection with Brushes Figs. 9023 to 9025.

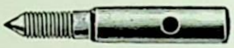


Fig. 9028

THREADED CHUCK

For use in connection with Brushes Figs. 9030 to 9032.

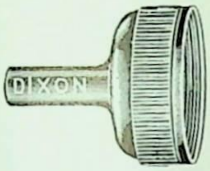


Fig. 9029

PLAIN CHUCK

For use with Brushes Figs. 9030 to 9032.

◆

BRISTLE, STEEL and BRASS WIRE WHEEL BRUSHES, BUR CLEANERS

Designed by Us for the Ritter Engine

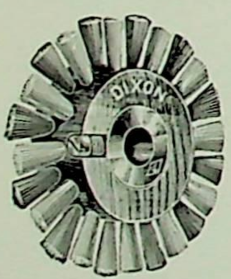


Fig. 9030

BRISTLE

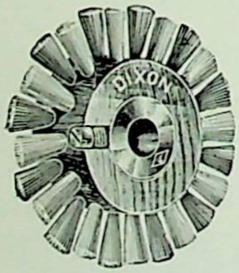


Fig. 9031

STEEL WIRE

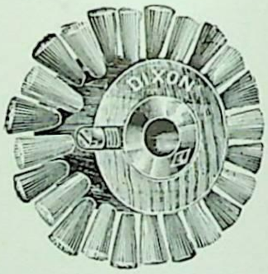


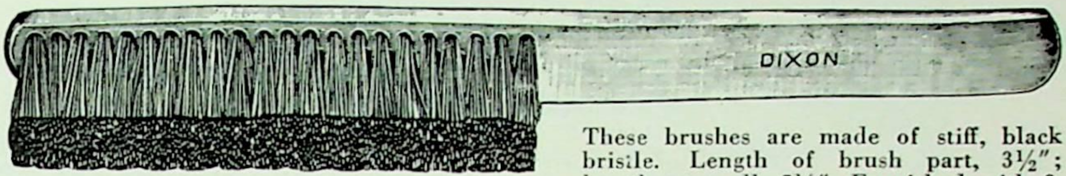
Fig. 9032

BRASS WIRE

Can be used with Chucks Fig. 9028 or Fig. 9029

These Brushes are made especially for cleaning Burs and Files and contain two rows of either Bristle, Brass or Steel Wire, with solid metal Center or Hub, and set screw for holding same, size $1\frac{1}{4}''$ outside diameter. Packed one in a box.

LABORATORY BRUSHES



These brushes are made of stiff, black bristle. Length of brush part, 3½"; length over all, 7¼". Furnished with 3, 4 or 5 rows of bristle.

Fig. 9033

BONE HANDLE BRISTLE BRUSH

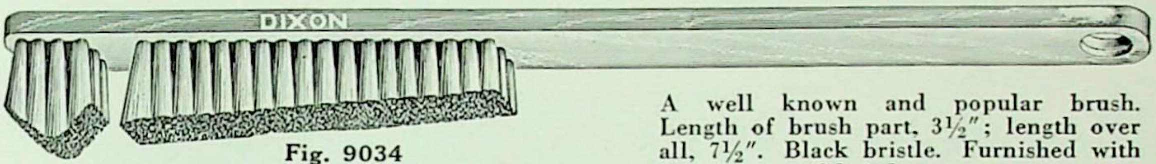


Fig. 9034

BONE HANDLE BRISTLE BRUSH

A well known and popular brush. Length of brush part, 3½"; length over all, 7½". Black bristle. Furnished with 3 or 4 rows of bristle.

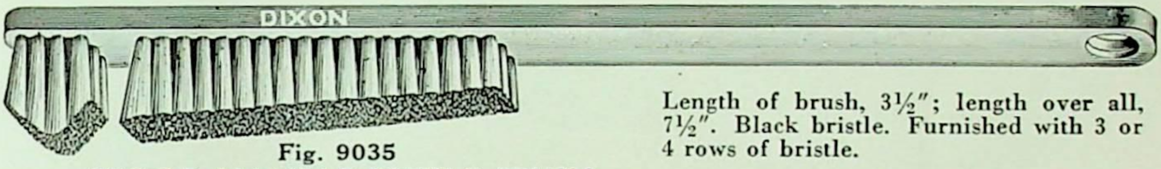


Fig. 9035

WOOD HANDLE BRISTLE BRUSH

Length of brush, 3½"; length over all, 7½". Black bristle. Furnished with 3 or 4 rows of bristle.

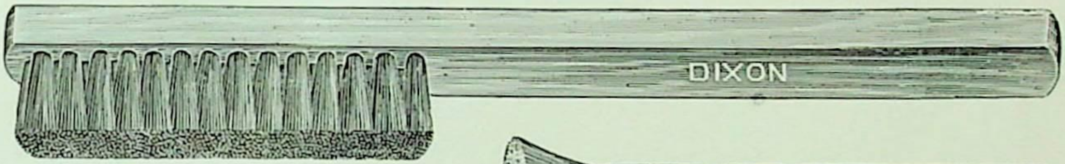


Fig. 9036

WOOD HANDLE BRUSH

Made of extra quality, extra stiff black bristle. Length of brush part, 3¼"; length over all, 8¼". Has 4 rows of bristle.

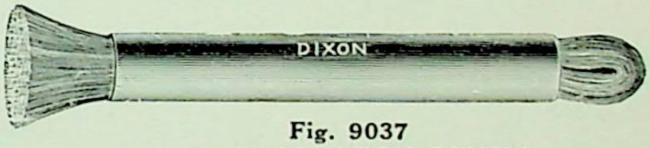
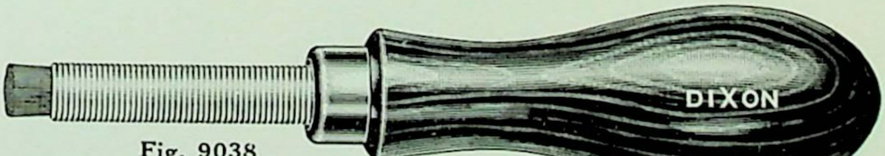


Fig. 9037

HAND SCRATCH BRUSH

Fine steel wire, rubber bound, and flexible.



Specify kind of wire wanted.

Fig. 9038

HAND SCRATCH BRUSH

Steel or brass wire.

These brushes are made of fine wire and bound with soft wire, soft-soldered throughout.

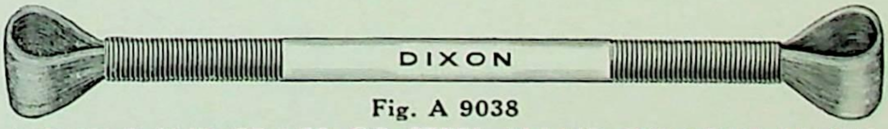


Fig. A 9038

DOUBLE END BRASS OR STEEL HAND SCRATCH BRUSH

Ends can be cut to suit the user. For cleaning burs and instruments.

ABRASIVE BAND CHUCKS AND BANDS

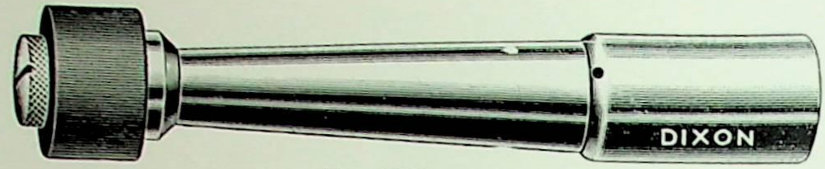


Fig. 9039

No. 1 ABRASIVE BAND CHUCK

No. 1A	For Ritter Lathe, Right Side
No. 1B	For Other Lathes, Right Side
No. 1C	For Left Side Chucks

Specify for which lathe chuck is required.

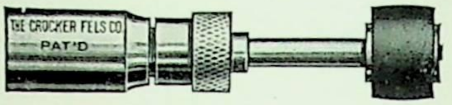


Fig. 9040

No. 2 CROCKER ABRASIVE BAND CHUCK

Made to fit any dental lathe. Specify for what lathe chuck is required.

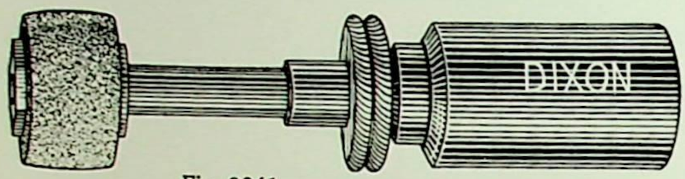


Fig. 9041

No. 3 ABRASIVE BAND CHUCK

Made to fit any dental lathe. Specify for what lathe the chuck is required and whether for right or left side.

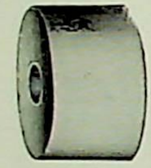


Fig. 9044

RUBBER HEAD

For use with any of the abrasive band chucks Nos. 1, 2 and 3.

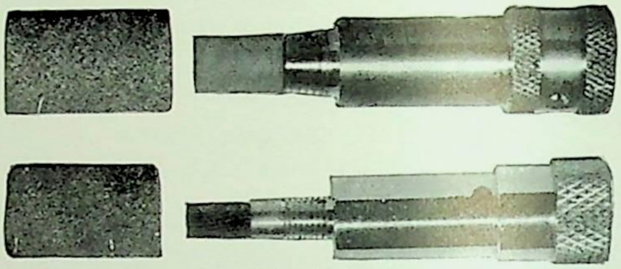


Fig. A 9041

FIELDS ABRASIVE ARBOR

Made in two sizes. Large, for right or left side; small, for right side only. Supplied regularly for the Ritter Taper.

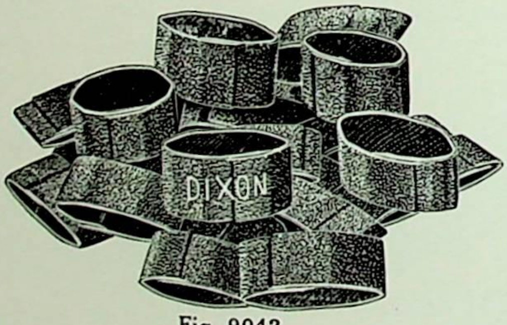


Fig. 9042

PERFECTION ABRASIVE BANDS

Used in connection with Nos. 1, 2, 3 Abrasive Band Chucks to cut down and finish Vulcanite plates and for General Laboratory Work. Put up in boxes containing 100 or 500 bands of medium or coarse grit.

Fig. A 9042	Emery,	Black,	100 in Box
Fig. B 9042	"	"	500 " "
Fig. C 9042	Adamite,	Red,	100 in Box
Fig. D 9042	"	"	500 " "

SPRUE FORMERS, PAPER CONES AND ABRASIVE ROLLS

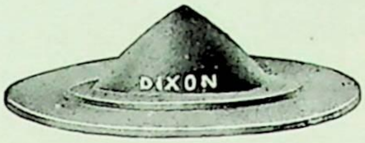


Fig. 9043

PERFECTION RUBBER SPRUE HOLDER AND CRUCIBLE FORMER

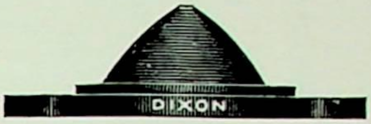


Fig. A 9043

BURNS BRONZE SPRUE HOLDER AND CRUCIBLE FORMER

No. 1	Unfinished
No. 2	Finished and Polished

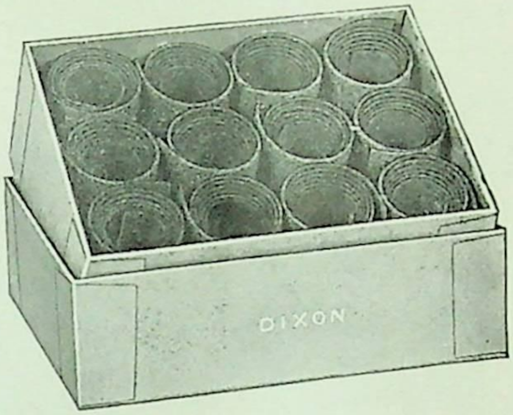


Fig. 9046

FIELD'S ABRASIVE ROLLS

For use with Field's Abrasive Arbors, Fig. A 9041. A continuous band of emery cloth assuring sharp cutting surface at all times. No lost time changing bands.
For roughing down plates, use No. 60 coarse. For final finishing or festooning, use No. 80 fine. Large rolls, coarse and fine. Small rolls, fine only. Packed in boxes of 12, 72 and 144 rolls.

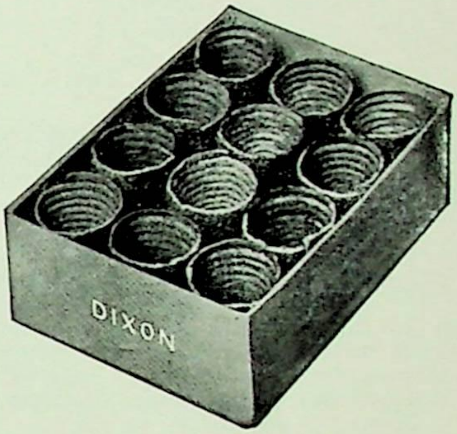


Fig. 9045

GARNET PAPER CONES

Made in three grades, coarse, medium and fine, and for either right or left hand side of lathe. State on which side they are to be used. Boxed, 1 dozen each. All one grade or assorted.

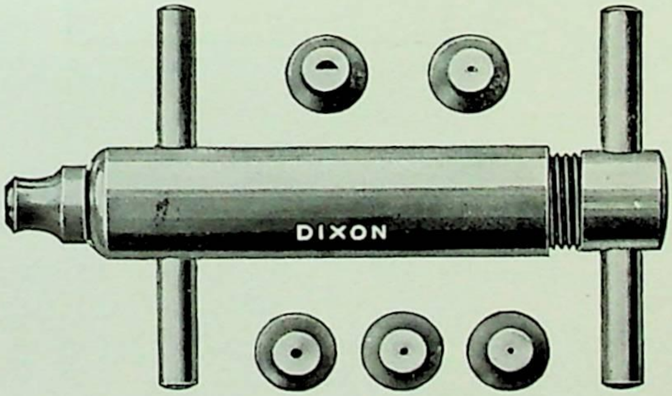


Fig. A 9046

YANKEE SPRUE FORMING DEVICE

An indispensable instrument in the Dental Laboratory, where casting of any kind is done. It produces a wax sprue for every purpose; has 6 nozzles of various sizes and shapes, such as are used in the making of Inlays, Clasps, Plates, Lingual Bars, etc.

Made of brass, nickeled and highly polished.

EMERY PAPER, CLOTH DISKS AND PLATE FINISHER

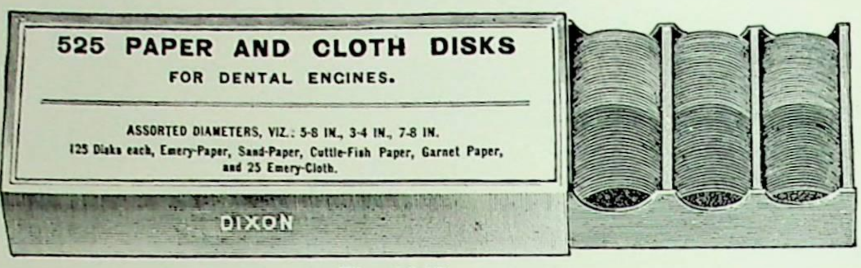

525 PAPER AND CLOTH DISKS
FOR DENTAL ENGINES.
ASSORTED DIAMETERS, VIZ.: 5-8 IN., 3-4 IN., 7-8 IN.
125 Disks each, Emery-Paper, Sand-Paper, Cuttle-Fish Paper, Garnet Paper, and 25 Emery-Cloth.
DIXON

Fig. 9047

ASSORTMENT OF 525 PAPER AND CLOTH DISKS FOR DENTAL ENGINE USE

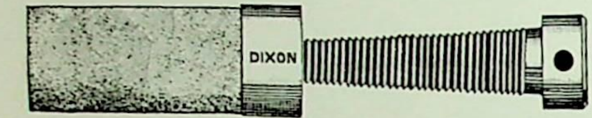


Fig. 9048

FLEXIBLE RUBBER PLATE FINISHER

Made of rubber tubing with two threaded brass pieces to fit tapered lathe spindle. Emery cloth is placed over the tip and held by a brass ferrule. Put up in a neat box, with 24 sheets of emery cloth.

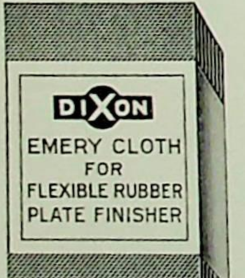


Fig. 9049

EMERY CLOTH

Cut to fit Flexible Rubber Plate Finisher—Fig. 9048

Size of sheets 2″ x 3″

Put up in packages containing two dozen sheets.

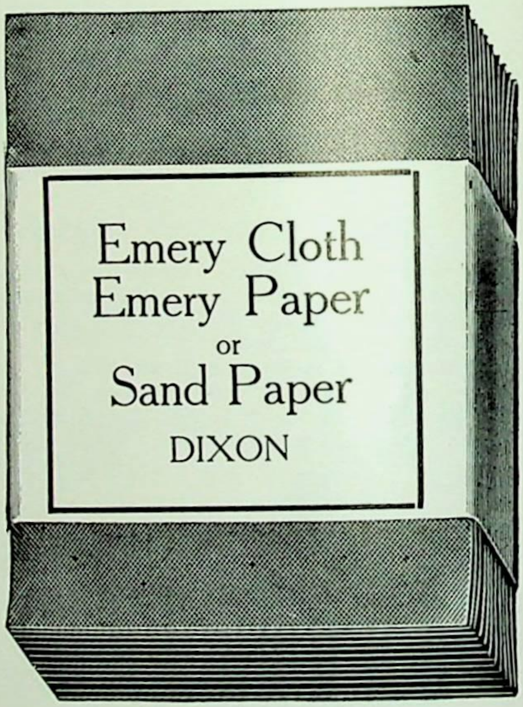


Fig. 9050
EMERY
CLOTH

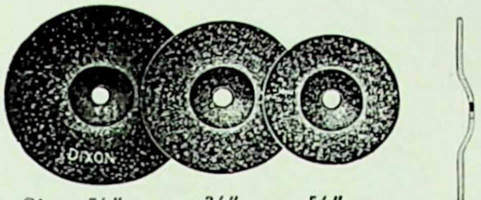
Fig. 9051
EMERY
PAPER

Fig. 9052
SAND
PAPER

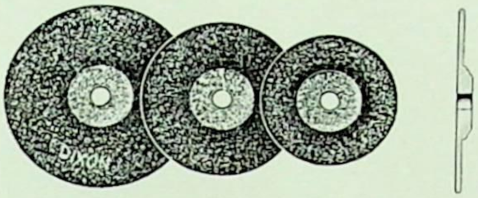
Size of sheets 9″ x 11″

No. 00	Fine Grit
No. 0	Medium Grit
No. 1	Coarse Grit

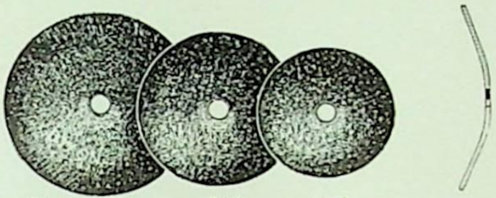
DIXON CARBO DISKS, ABRASIVE WHEELS, ETC.



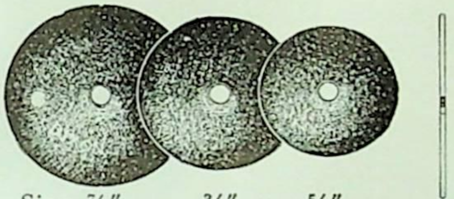
Size, ⅞" ¾" ⅝"
Style A and B, Hollow Hub



Size, ⅞" ¾" ⅝"
Style C and D, Solid Hub



Size, ⅞" ¾" ⅝"
Style E, G and H, Concaved



Size, ⅞" ¾" ⅝"
Style I and J, Flat, No Hub

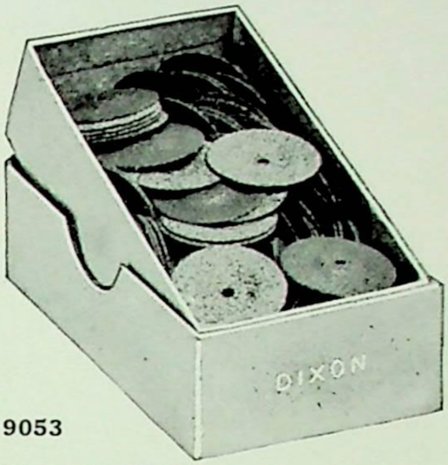


Fig. 9053

"JOE DANDY" CARBO SEPARATING DISKS

These disks are made to meet the demand of the dental profession for a thin disk that will cut on the edge and on one or both sides, as desired. They are about 15/1000 (fifteen thousandths) of an inch in thickness, and they cut quickly, either wet or dry. They do not wear out rapidly and do not gum or glaze. They wear perfectly round, which is an essential feature. Furnished in sizes ⅝", ¾" and ⅞", and in the following styles:

Style	A	Hollow Hub, Regular
"	B	" " Safe Sided
"	C	Solid Hub, Regular
"	D	" " Safe Sided
"	E	Concaved, Regular
"	G	" Safe Sided (on concave side)
"	H	" " " " convex "
"	I	Flat, No Hub, Regular
"	J	" " " Safe Sided

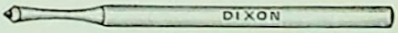


Fig. 9057

DIAMOND DRILL

Mounted on steel mandrel to fit No. 7 hand-piece. The diamonds used consist of small chips. These tools cannot be guaranteed against breakage. The diamond is carefully mounted in the end of the steel mandrel, tested and carefully inspected.

EMERY ABRASIVE WHEELS

Fig. 9054

These wheels are built up of emery paper especially adapted for laboratory use, and are efficient labor savers. Made in six sizes as follows:

No. 1	1"	diameter	x ⅜"	thickness
No. 2	1⅜"	"	x ⅜"	"
No. 3	1¾"	"	x ⅜"	"
No. 4	2"	"	x ⅜"	"
No. 5	2½"	"	x ⅜"	"
No. 6	3"	"	x ⅜"	"

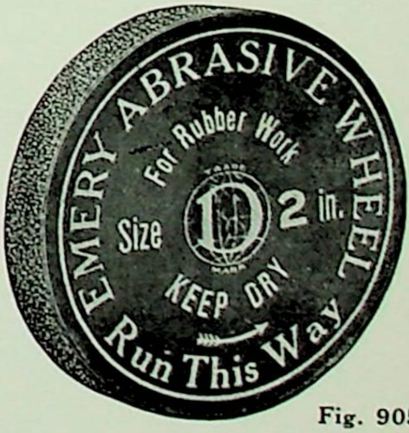
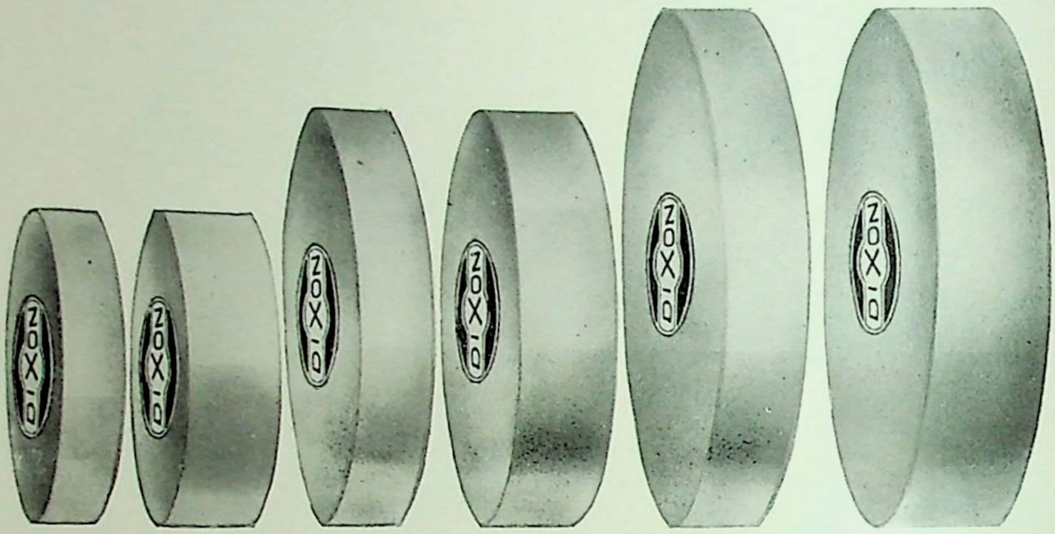


Fig. 9054

SOLID FELT POLISHING WHEELS

FINEST QUALITY "WHITE" FELT

With Patented Hardened Centers

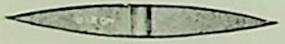


1½" Diam. ⅜" Face — 1½" Diam. ½" Face — 2" Diam. ⅜" Face — 2" Diam. ½" Face — 2½" Diam. ⅜" Face — 2½" Diam. ½" Face

Fig. 9062

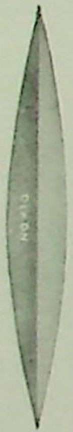
SQUARE EDGE WHEELS

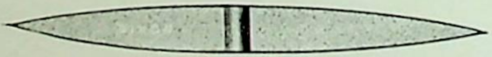
These polishing wheels are finest quality white felt, with patented, hardened centers. They are made in six sizes as illustrated. Special sizes can be furnished on order.



1½ Inch

2 Inch





2½ Inch

Fig. 9064

KNIFE EDGE WHEELS

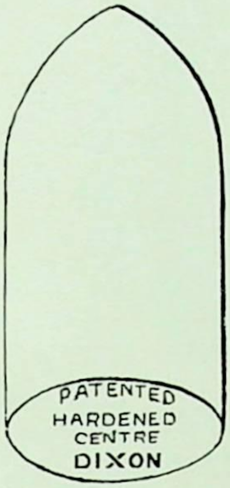
Extra Hard

Dixon Knife Edge Wheels are made extra hard. Of finest quality white felt, with patented hardened centers.

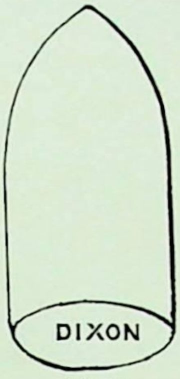
Three sizes: 1½ inch, 2 inch, 2½ inch diameters.

Standard sizes adopted by the American Dental Trade Association. Special sizes can be furnished on order.

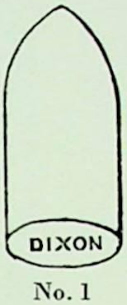
FELT CONES AND DISKS—FELT AND COTTON POLISHING WHEELS



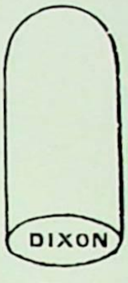
No. 3



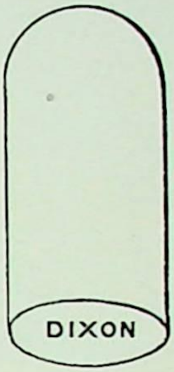
No. 2



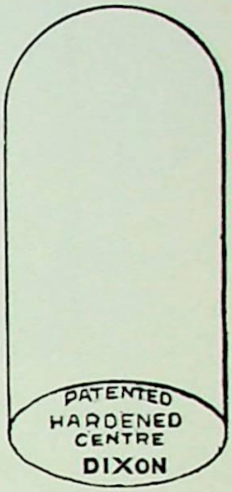
No. 1



No. 4



No. 5



No. 6

Fig. 9065

Finest Quality

"WHITE" FELT CONES

(With Patented Hardened Centers)

Each Illustration is Actual Size

Nos. 1 and 4	Small	Size, 1″	Long x ½″	Diameter
Nos. 2 and 5	Medium	" 1½″	" x ¾″	"
Nos. 3 and 6	Large	" 2″	" x 1″	"

Standard sizes adopted by the American Dental Trade Association.
Special sizes can be furnished. Prices quoted on request.

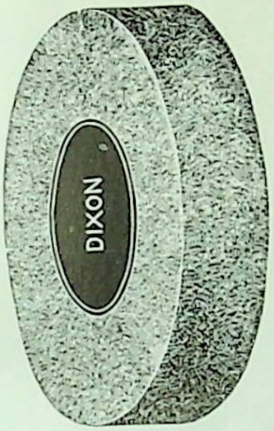


Fig. 9063

SOFT GRAY FELT WHEELS

Square Edge—Hardened Centers

2¼″ Diam. x ⅜″ Thick   2½″ Diam. x ½″ Thick

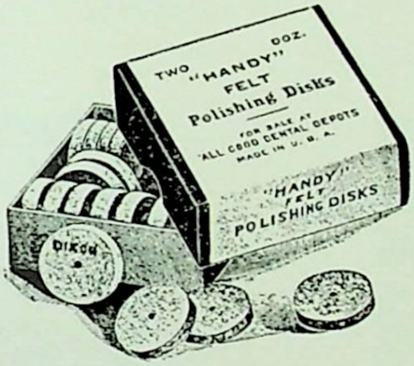


Fig. 9071

HANDY FELT POLISHING DISKS

Packed 2 dozen in a box

Made in two sizes, ½″, ⅝″ diameter by ⅛″ thickness. For carrying pumice or other powders to clean teeth and polish fillings and crowns. These disks are used on mandrels Nos. 303 or 321.

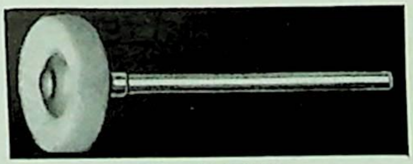


Fig. A 9071

MOUNTED PERFECTION FELT WHEEL

Same as Fig. 9071 but Mandrel Mounted

Made in Two Sizes
½″ and ⅝″ Diam., ⅛″ Thick
Packed six in a box

COTTON POLISHING WHEELS

Wooden Center

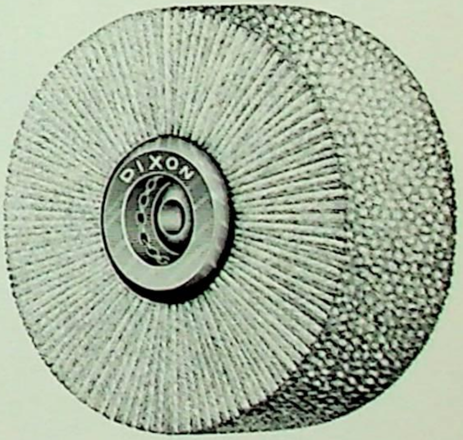


Fig. 9070

No. 83	2¾″ Outside Diameter of Wheel, 1¼″ Diameter of Block, 3 Rows
No. 84	3″ Outside Diameter of Wheel, 1¼″ Diameter of Block, 4 Rows

Special sizes can be furnished on request.

POLISHING BUFFS

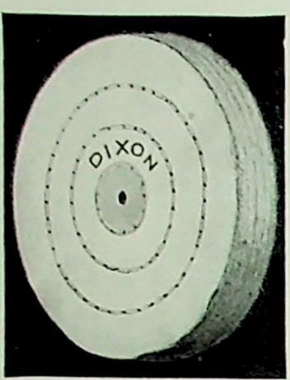


Fig. 9066

REGULAR MUSLIN BUFFS

2″	Diameter	30 Ply
2½″	"	30 "
3″	"	35 "
4″	"	30 "
4″	"	42 "
5″	"	30 "
5″	"	45 "
6″	"	30 "
6″	"	50 "

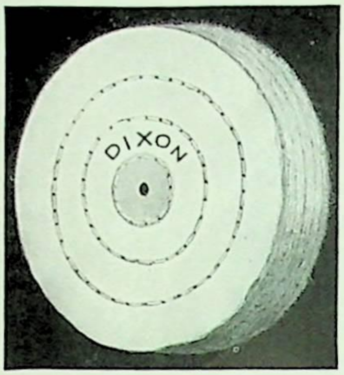


Fig. 9067

CANTON FLANNEL BUFFS

2″	Diameter	25 Ply
2½″	"	30 "
3″	"	30 "
4″	"	23 "
4″	"	30 "
5″	"	30 "
6″	"	30 "

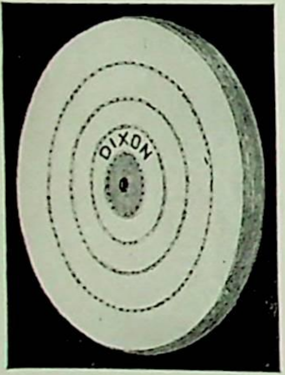


Fig. 9068

"DIXSHINE" FINE MUSLIN BUFFS

Made of extra quality fine unbleached muslin. For all polishing purposes where a very high finish to your work is required.

3″	Diameter	24 Ply
4″	"	30 "
5″	"	30 "
6″	"	30 "

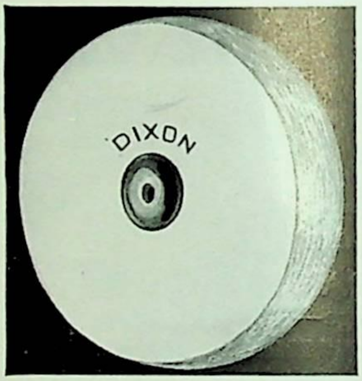


Fig. 9069

"LEAD CENTER" FINE MUSLIN BUFFS

Made of extra quality fine unbleached muslin, and recommended where a high finish is required.

3″	Diameter	28 Ply
3″	"	36 "
4″	"	28 "
4″	"	36 "
4″	"	54 "
5″	"	54 "

Special sizes can be furnished. Prices quoted on request.

POLISHING WHEELS

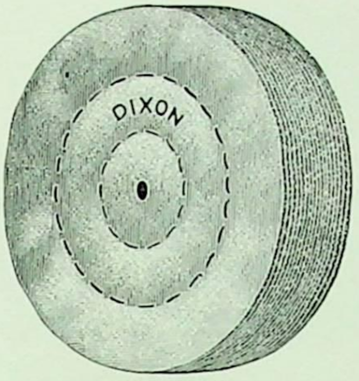


Fig. 9072

CHAMOIS POLISHING WHEELS

For Lathe Use. ¾" Face Only.
Diameters: 2", 2½", 3".
Made of All Full Disks.
Larger sizes can be furnished on order.

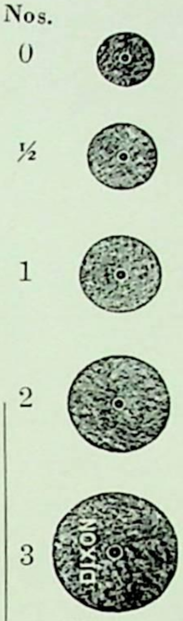


Fig. 9075

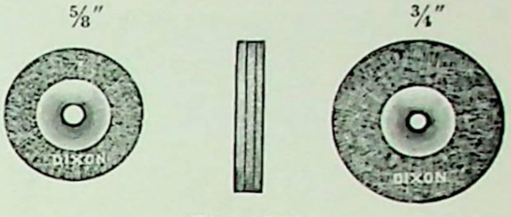


Fig. 9073

CHAMOIS POLISHING WHEELS FOR ENGINE

Made with Metal Centers

These wheels are made with three thicknesses of chamois, clamped strongly about the center, forming a solid hub. Packed in boxes of 25, assorted, containing 16 of ⅝" and 9 of ¾" wheels.

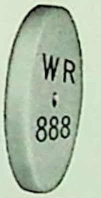
MOOSE HIDE POLISHING DISKS (Commonly Called Points)

No. 0	¼"	Diam.
No. ½	5/16"	"
No. 1	⅜"	"
No. 2	7/16"	Diam.
No. 3	9/16"	"

Packed in boxes containing 50 or 100 assorted sizes. Can also be supplied in boxes of all one size.

Fig. A 9075, W. R. 888

FINE PUMICE WHEELS



For the final polishing and finishing of Gold and Silver Work, Inlays, Plates, etc. Size: ⅞" Diameter x ⅛" Thick. Put up in boxes of 30 and 250. State quantity desired.

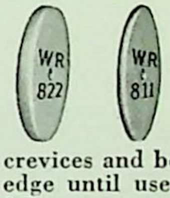


Fig. B 9075

W. R. Nos. 811 and 822

THIN PUMICE DISKS

For polishing and finishing in crevices and between teeth. They retain the thin edge until used up. Boxes contain 48 Disks as follows:

24 Disks No. 811—⅝" Diam. x 1/32" Thick
24 Disks No. 822—⅝" Diam. x 5/64" Thick

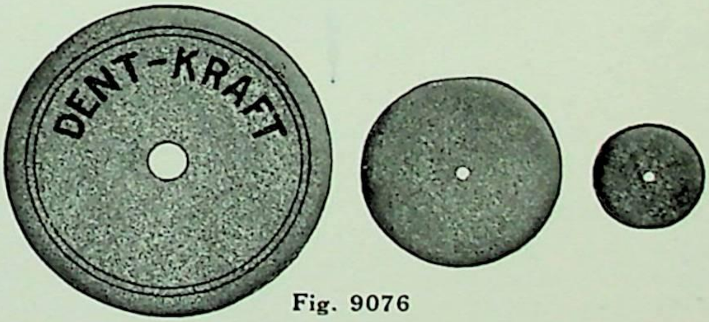


Fig. 9076

"Cuts as It Polishes"

DENT-KRAFT ABRASIVE WHEELS

For finishing and polishing Bridgework and polishing Gold Inlays and Amalgam Fillings.
Sizes: ½" x 1/16", ⅞" x ⅛", 1½" x 3/16", 2" x ¼"
The ½" and ⅞" sizes packed in dozens, one kind or assorted. The ⅞" size also packed in boxes of 100. 1½" and 2" sizes are supplied in bulk.

CRATEX POLISHING AND GRINDING WHEELS

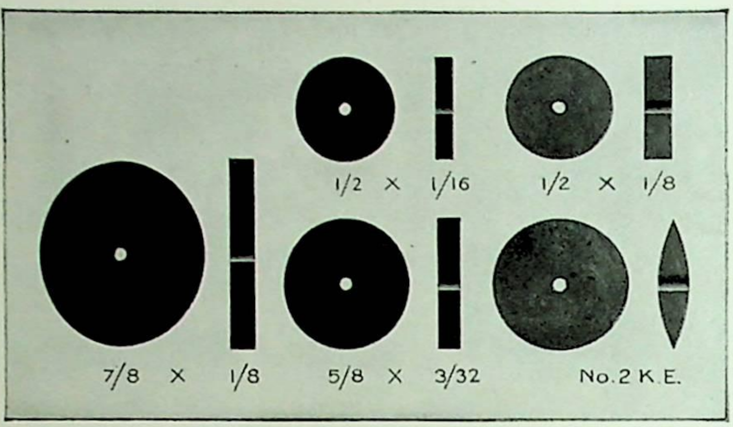


Fig. A 9076

CRATEX Polishing and Grinding Wheels cut fast and smoothly on all metals, vulcanite or porcelain.

MADE IN THREE GRADES:

GREEN LABEL—Medium Grit. GOLD LABEL—Fine Grit.
GRAY LABEL—Extra Fine Grit.

⅞" x ⅛" Square Edge, Packed 12 to Box
⅝" x 3/32" Square Edge, Packed 15 to Box
⅜" x 1/32" Square Edge, Packed 30 to Box
½" x 1/16" Square Edge, Packed 12 to Box

No. 2 Knife Edge, ⅝" Dia., Packed 15 to Box
Assorted Square Edge, Packed 6 of ⅞", 6 of ½" to Box

Fig. B 9076 BULK PACKAGES

100 Wheels of each of above mentioned sizes and styles are packed in each box for the large users of CRATEX Wheels.

Specify number of boxes "Bulk" and size of wheels wanted when ordering.

Fig. C 9076

CRATEX LATHE WHEELS

Made of a tough wear resisting composition into which the polishing and abrasive ingredients have been forced at high pressure.

The ideal Lathe Wheels for use in grinding facings and for cleaning or grinding the heavier pieces of work. They are tough and wear resisting, hence long lasting and economical to use.

Made in Three Grades:
Green Label—Medium Grit
Gold Label—Fine Grit
Gray Label—Extra Fine Grit

No. 10	2⅜" x ⅜" for ¼" Chuck	
No. 12	2⅜" x ¼" for ¼" Chuck	
No. 14	1½" x 3/16"	Specify Size of Center Hole When Ordering
No. 16	2" x ¼"	
No. 18	2½" x ½"	
No. 20	3" x ¼"	
No. 22	3" x ½"	

Larger sizes can be furnished.
Prices quoted on request.

BRIGHTBOY WHEELS AND POLISHING POWDERS

LIBRARY
MAY 24 1948
U S PATENT OFFICE

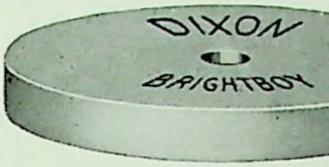


Fig. D 9076

BRIGHTBOY WHEELS

Made of a composition of Rubber and Abrasive Compound for use in grinding facings and for cleaning or grinding the heavier pieces of work.

Sizes	½″ x $\frac{3}{32}$″	⅝″ x $\frac{3}{32}$″	¾″ x $\frac{3}{32}$″	1½″ x $\frac{3}{16}$″	2½″ x ⅜″
	½″ x ⅛″	⅝″ x ⅛″	¾″ x ⅛″	2″ x ¼″	3″ x ⅜″

Superior for polishing Porcelain, Vulcanite, Bakelite, and any fine work.
Special sizes made to order

Fig. 9077

EMERY POWDER

Fine, Medium, Coarse
Put up in 2¼″ x 1¼″ wood boxes.

Fig. 9078

CARBORUNDUM POWDER

Fine, Medium, Coarse
Put up in 2¼″ x 1¼″ wood boxes.

Fig. A 9078

ROUGE POWDER

For Gold and Silver
Put up in 2¼″ x 1¼″ wood boxes.

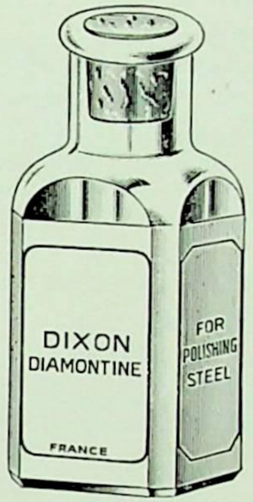


Fig. A 9077

DIAMONTINE POWDER

For polishing the edges of steel cutting instruments.
Put up in ¼ oz. bottles.

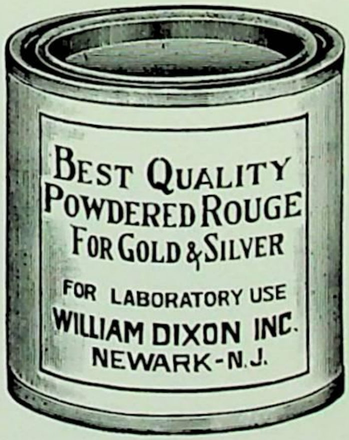


Fig. B 9078

POWDERED ROUGE

½ pound and 1 pound cans.

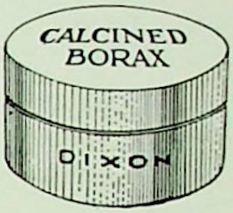


Fig. B 9077

CALCINED BORAX

Packed in wooden boxes, 2¼″ x 1¼″

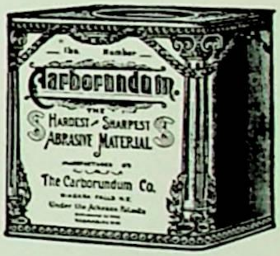


Fig. C 9077

CORBORUNDUM POWDERS

Made in three grades, Fine, Medium, Coarse. Put up in 1 pound square cans.

SPUNK
— AN —
EXCELLENT
ABSORBENT

Fig. C 9078

SPUNK

Pellets in 1 oz. boxes.
Sheets per pound.

63191

ROUGE, BOBBING COMPOUND, WHITING, PUMICE AND ASBESTOS

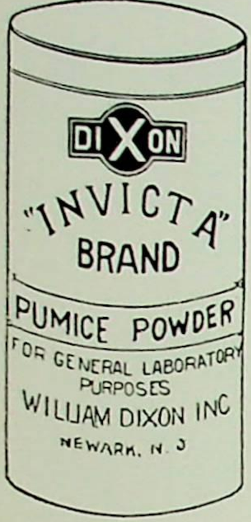


Fig. 9083

PUMICE POWDER

One pound boxes.

Fine, Medium and Coarse.

Also put up in 100 pound bags.

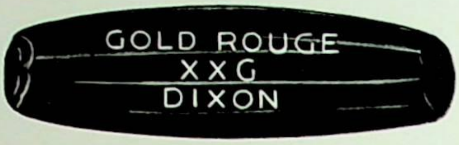


Fig. 9081

GOLD ROUGE "XXG"

Put up in sticks of the following sizes: ⅛ pound, ¼ pound, ½ pound.

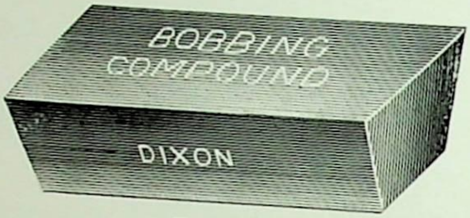


Fig. 9087

BOBBING COMPOUND

One pound cakes.

Excellent for Brush Wheel work and cutting down with small diameter Buffs. Extremely economical, efficient. Cuts rapidly and clings tenaciously to the brush or buff.

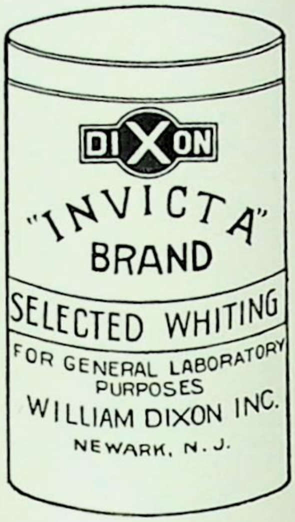


Fig. 9086

SELECTED POWDERED WHITING

For polishing.

One pound boxes.

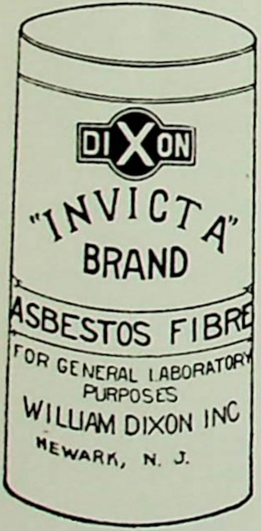


Fig. 9084

ASBESTOS FIBRE

Half pound boxes.

Also put up in 25 pound bags.

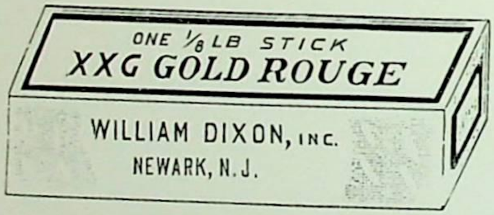

ONE ⅛ LB STICK
XXG GOLD ROUGE
WILLIAM DIXON, INC.
NEWARK, N. J.

Fig. 9079 **"XXG" ROUGE**

⅛ pound sticks in neat cartons.

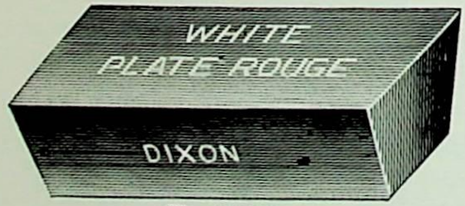


Fig. 9080

WHITE ROUGE

Two pound bars.

White Rouge Composition for Plate Work.

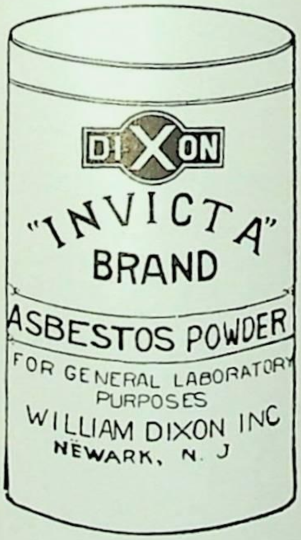


Fig. 9085

ASBESTOS POWDER

Half pound boxes.

Also put up in 25 pound bags.

POLISHING COMPOUNDS AND FINISHING STRIPS

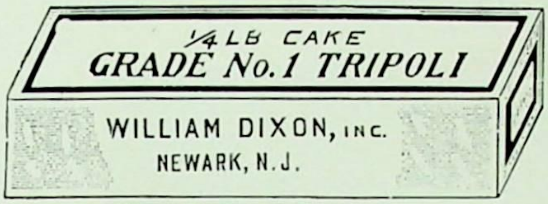

¼ LB CAKE
GRADE No. 1 TRIPOLI
WILLIAM DIXON, INC.
NEWARK, N. J.

Fig. 9088

TRIPOLI COMPOSITION

¼ pound.

Extra quality, put up in neat cartons in ¼ lb. cakes for use on small work.

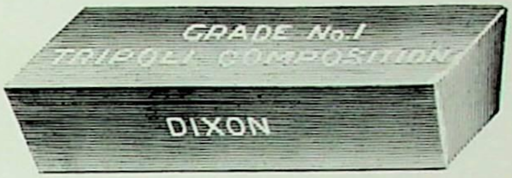


Fig. A 9088

TRIPOLI COMPOSITION

1 pound cakes. Not boxed. Extra fine quality for laboratory use.

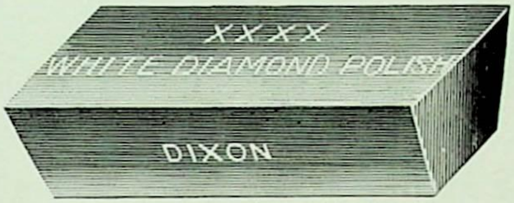


Fig. B 9088

WHITE DIAMOND POLISH

1 pound cakes.

This composition is recommended for use where a higher and finer finish is required than can be obtained by using Tripoli. Also known as "DRYTRIPOLI" and used in place of plate polish.

* * *

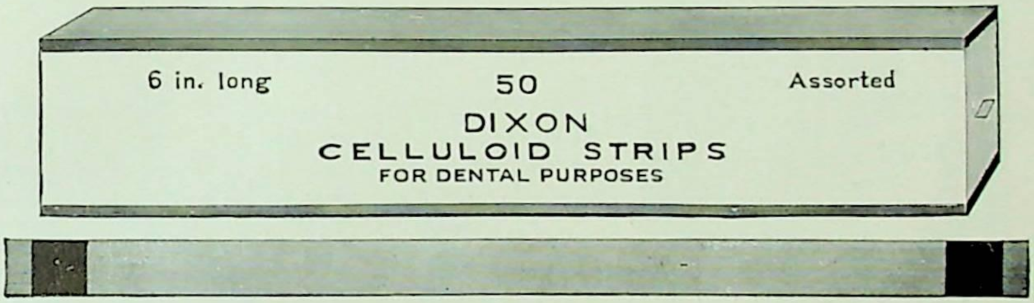


Fig. 9092

RED END CELLULOID STRIPS

6 inches long. $\frac{5}{16}$ inch wide. 50 strips to the box.
Regular, .005. Thin, .003. Extra Thin, .0015.

* * *

Fig. 9089

"RUBY CRYSTAL" STRIPS

Assortment

Extra Fine—Narrow, Medium, Broad
Fine " " "
Medium—Narrow, Medium, Broad
Coarse " " "
Assorted—Assorted

Fig. 9090

DIXON'S ENAMEL STRIPS

(No Grit)

Made in 3 widths: Narrow, Medium, Broad.

Fig. 9091

CUTTLE FISH STRIPS

(Fine Grit)

Made in 3 widths: Narrow, Medium, Broad.

PLATE POLISH, MOULDING COMPOSITION AND HECOLITE POLISH

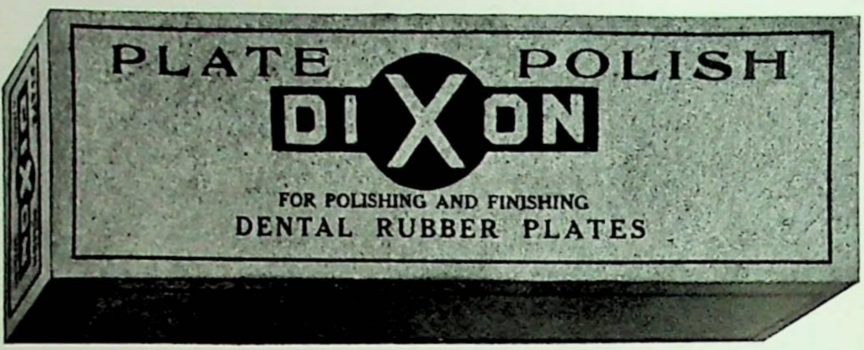
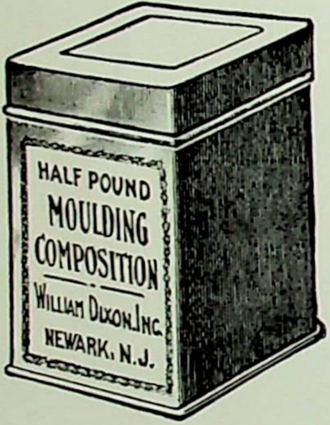


Fig. 9093

DIXON'S PLATE POLISH, 1 lb. Cakes

For saving time and obtaining the finest results in the polishing and finishing of Dental Plates we recommend the use of DIXON'S Plate Polish.



MOULDING COMPOSITION

Fig. 9094

½ pound cans.

This Moulding Compound is correctly manufactured for use in the Melotte method, and as an investment for very prompt use for work to be soldered.

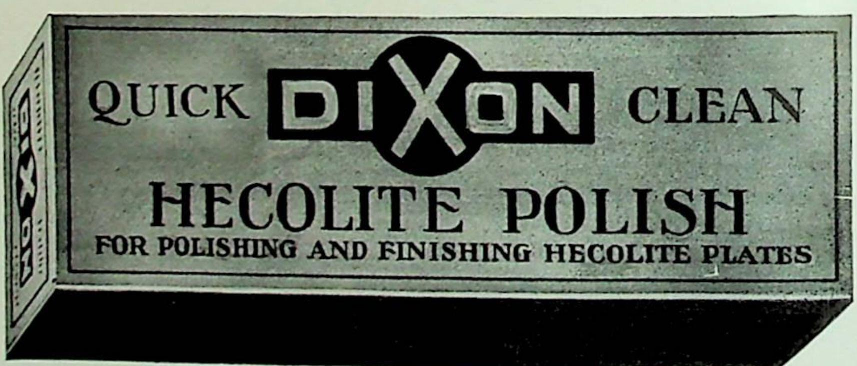


Fig. A 9094

HECOLITE POLISH

Red composition, for producing a very high lustre on Hecolite and plastic dentures. Put up in 1 lb. bars in neat box with directions.

MANDRELS

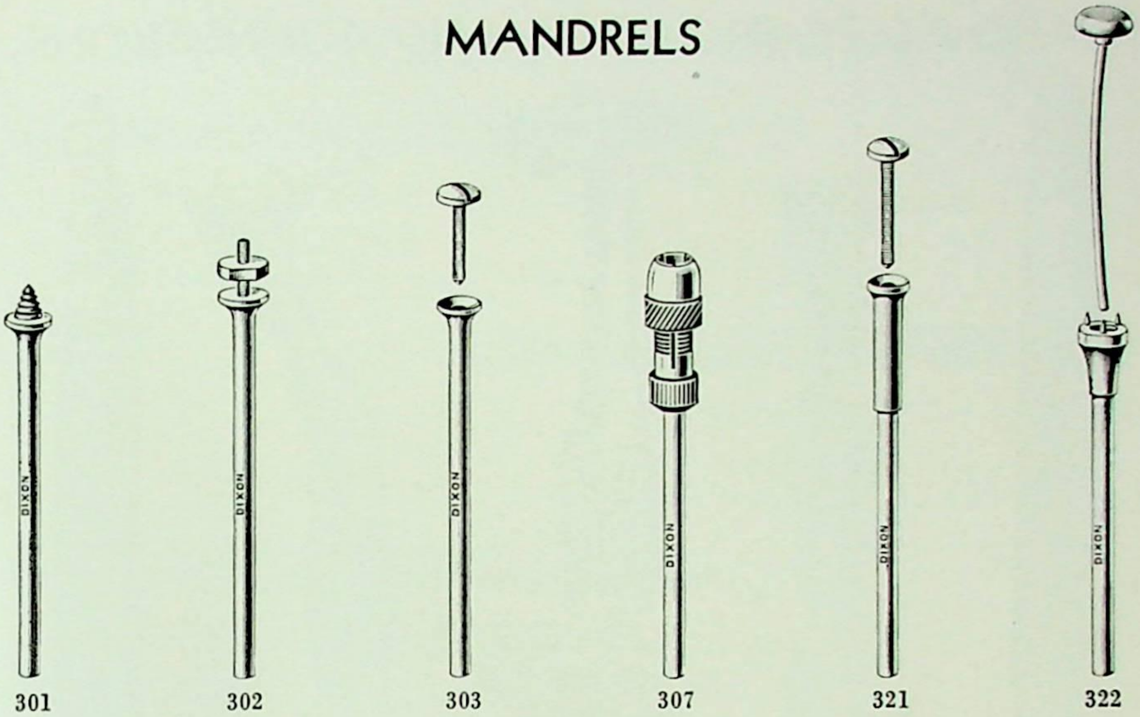


Fig. 9095

PLAIN STEEL MANDRELS FOR No. 7 HAND PIECE

Specify style number, and advise whether for No. 7 Straight or No. 2 R. A. handpiece.

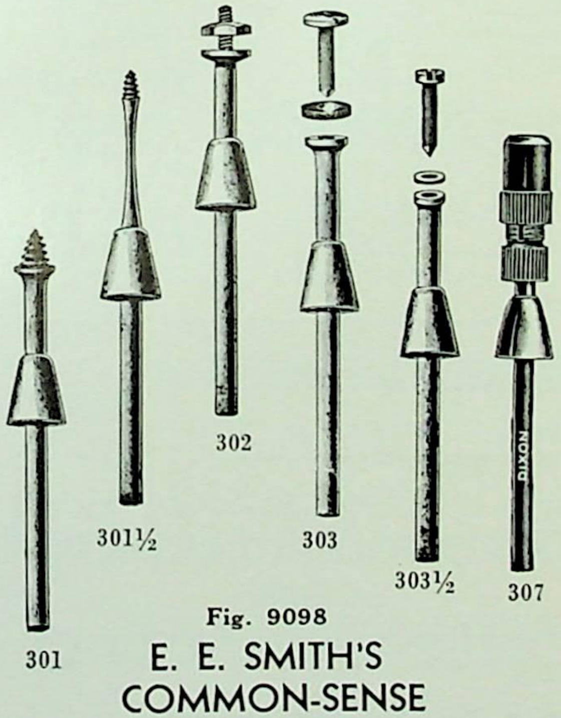


Fig. 9098

E. E. SMITH'S COMMON-SENSE MANDRELS

For No. 7 or R. A. Handpiece

Illustrations Are Enlarged Size.

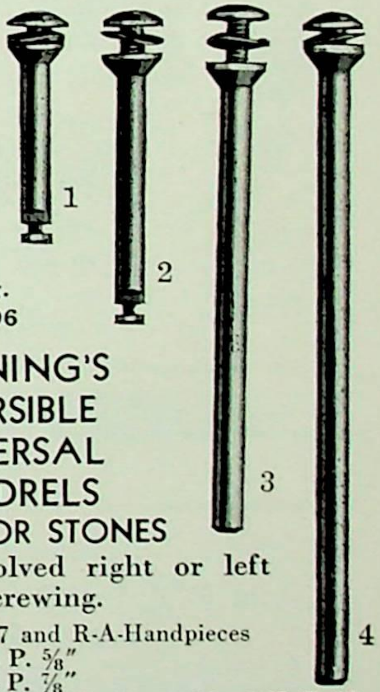


Fig. 9096

CANNING'S REVERSIBLE UNIVERSAL MANDRELS

For DISKS OR STONES

Can be revolved right or left without unscrewing.

Made for No. 7 and R-A-Handpieces
No. 1 R. A. H. P. ⅝"
No. 2 R. A. H. P. ⅞"
No. 3 No. 7 H. P. 1½" No. 4 No. 7 H. P. 2"

STEEL OR NON-CO-RUST

Canning's Non-Co-Rust Mandrels will outwear six steel Mandrels. They preserve a bright gold-like polish and can be sterilized without rusting.

HAND PIECES, BROACHES AND CONNECTIONS

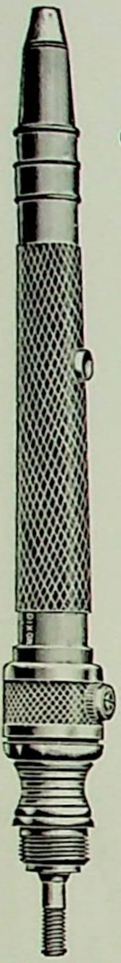


Fig. 9106

NO. 7
HAND
PIECE

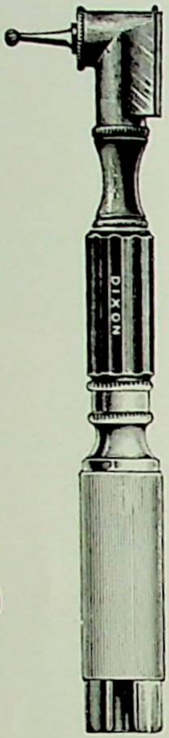


Fig. 9107

RIGHT
ANGLE
HAND
PIECE
FOR No. 7

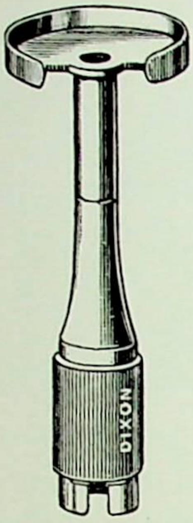


Fig. A 9107

STONE GUARD
OR CHEEK
PROTECTOR

With Mandrel

Fits into the Hand Piece and protects the cheek, tongue and lips of the patient during the process of grinding and polishing.

Can be used with 5/8″, 3/4″, 7/8″ disks.

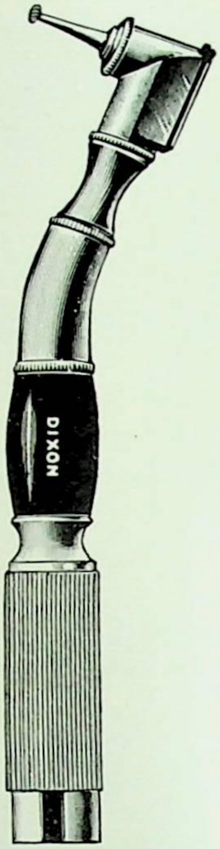


Fig. 9108

CONTRA
ANGLE
HAND
PIECE
FOR No. 7

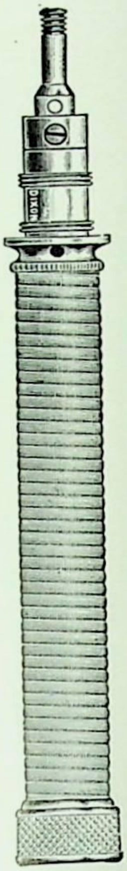


Fig. A 9108

DUPLEX
CONNECTION
LEATHER
COVERED

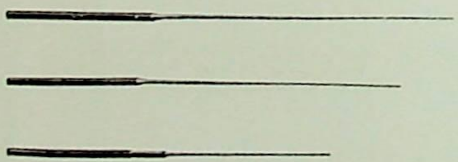


Fig. 9100

PLAIN POLISHED BROACHES
(Tempered)

Broaches of very fine quality, highly tempered and polished.

FINE—MEDIUM—COARSE

Sold by dozen and gross, also put up in envelopes containing one dozen of each number.

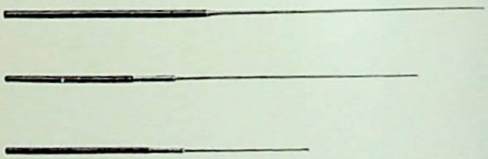


Fig. 9101

PLAIN POLISHED BROACHES
(Soft)

These Broaches are soft and are made without a barb. We carry them in three sizes.

FINE—MEDIUM—COARSE

We do not break packages of a gross.

BROACH HOLDERS AND DENTIMETERS

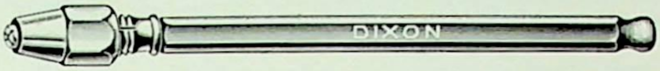
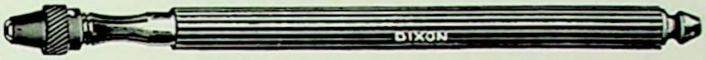


Fig. 9102
No. 52

NON-CORROSIVE BROACH HOLDER

Solid Metal Hollow Hexagon Handle.

Fig. 9103



HOLLOW HANDLE BROACH HOLDER

No. 210	Brass Handle
No. 211	Nickel-Plated Brass Handle

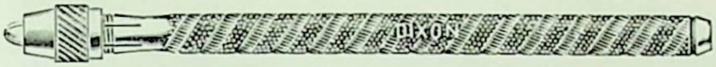
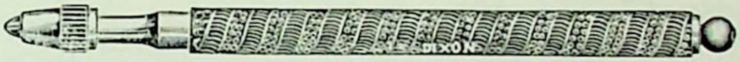


Fig. 9104
No. 220

SOLID BRASS BROACH HOLDER

Hole extends ⅝″ in handle. Nickel dipped.

Fig. 9105
No. 6



METAL BROACH HOLDER

This Broach Holder has a hole extending through handle, making it capable of holding fine wire, etc.

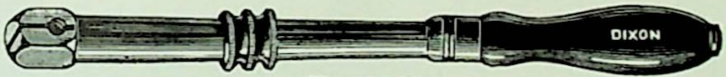


Fig. 9113

BROACH HOLDER WITH SLIDE

Can also be used as a Dentimeter.
Made in two lengths—3½ inches, 4 inches.

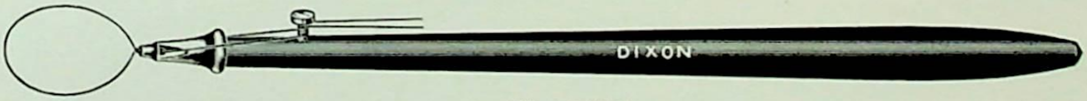


Fig. 9115

KIRK'S DENTIMETER

Black polished wood handle, with nickel plated metal attachment on the end for holding binding wire when measuring the teeth.

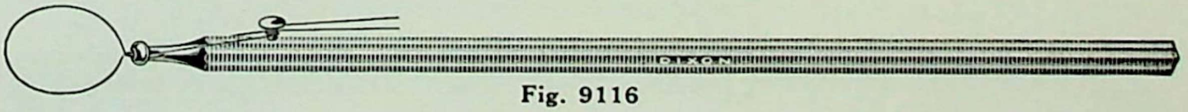


Fig. 9116

KIRK'S DENTIMETER

Metal handle, octagon shape, file cut, and nickel plated.

BLOWPIPES

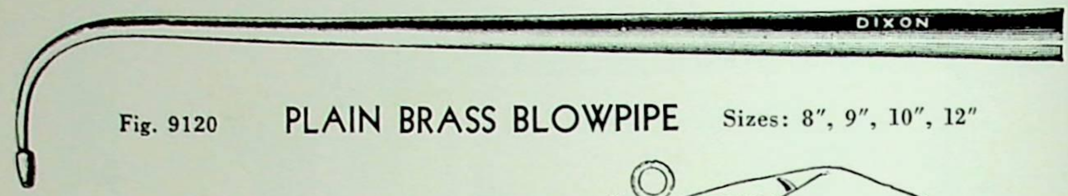


Fig. 9120 **PLAIN BRASS BLOWPIPE** Sizes: 8″, 9″, 10″, 12″

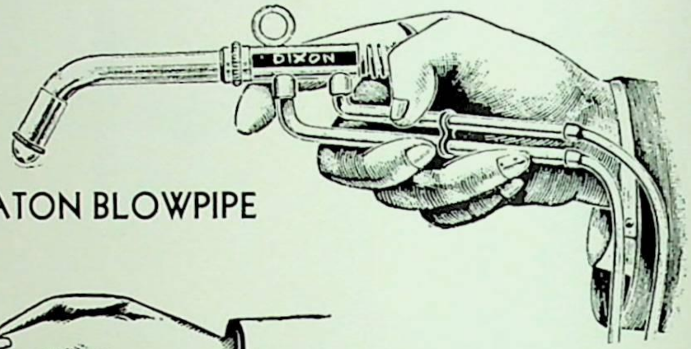


Fig. 9123
(No. 6-F)

AUTOMATON BLOWPIPE

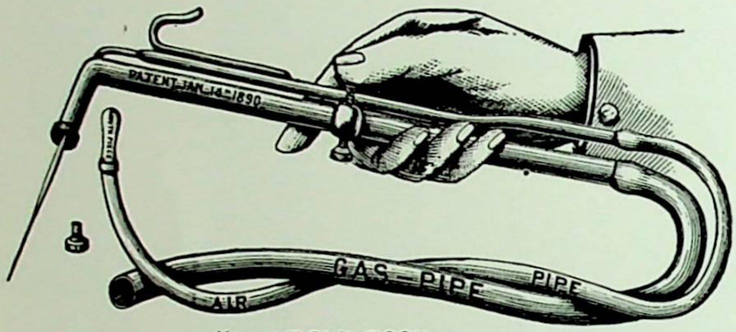


Fig. 9119 **"MATCHLESS"**
COMPOUND AUTOMATIC BLOWPIPE

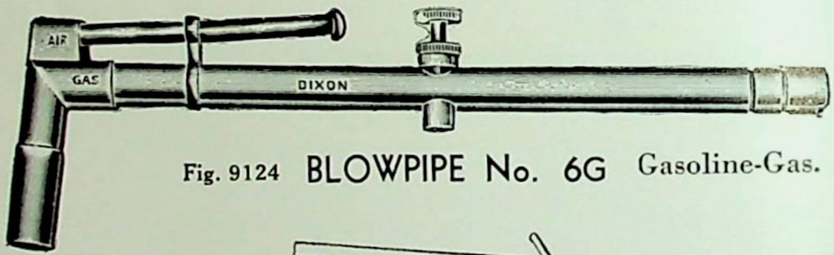


Fig. 9124 **BLOWPIPE No. 6G** Gasoline-Gas.

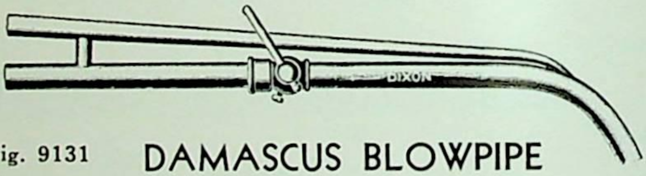


Fig. 9131 **DAMASCUS BLOWPIPE**
A light brazing Blowpipe for fine laboratory work. Length, 9″.

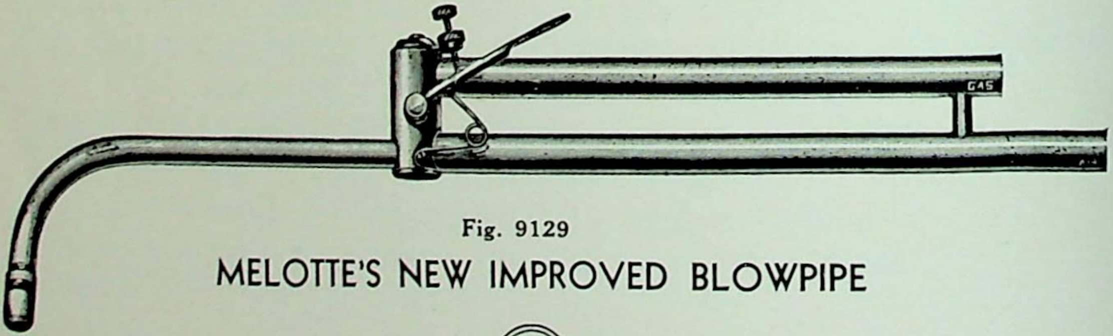


Fig. 9129
MELOTTE'S NEW IMPROVED BLOWPIPE

BLOWPIPES

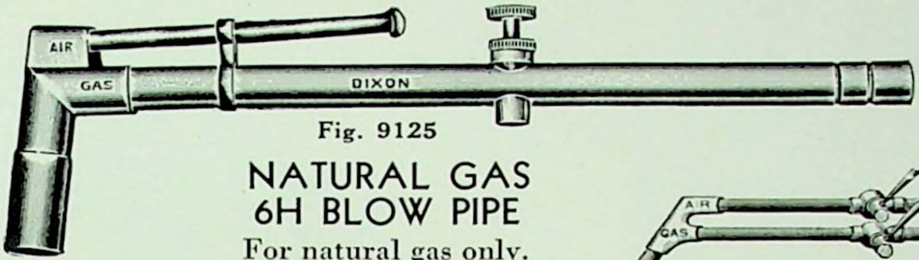


Fig. 9125

NATURAL GAS 6H BLOW PIPE

For natural gas only.
Non-extinguishable.

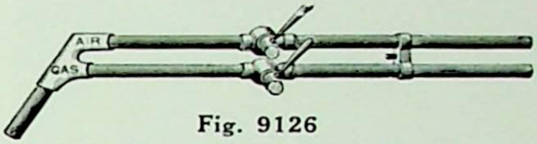


Fig. 9126

No. 8 C NATURAL GAS BLOW PIPE

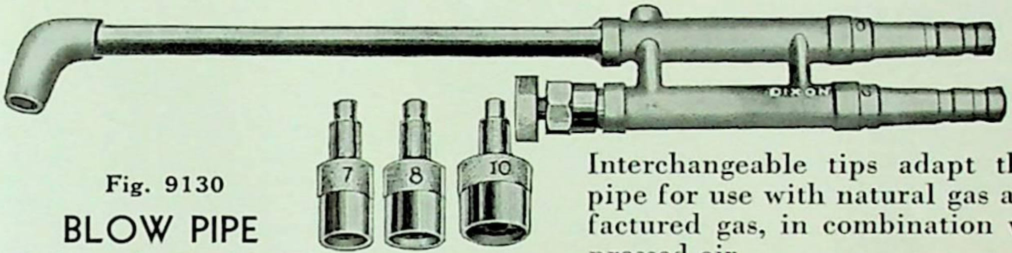


Fig. 9130

BLOW PIPE

With Interchangeable Tips

Interchangeable tips adapt this Blowpipe for use with natural gas and manufactured gas, in combination with compressed air.

No. 7 For Manufactured Gas and Air No. 8 For Natural Gas and Air
No. 10 Extra Large, for Natural Gas and Air

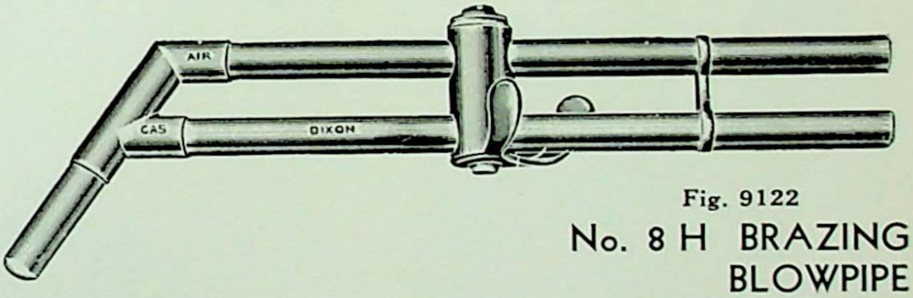


Fig. 9122

No. 8 H BRAZING BLOWPIPE

For Coal Gas Only

Requires ⅜″ to ½″ gas supply pipe. Has a gas opening of ¼″ with air jet 3/64″. In holding the Blowpipe, the hand is passed over it, affording a steady grip and complete control for the instant change in direction of flame or alteration in size and character of same.

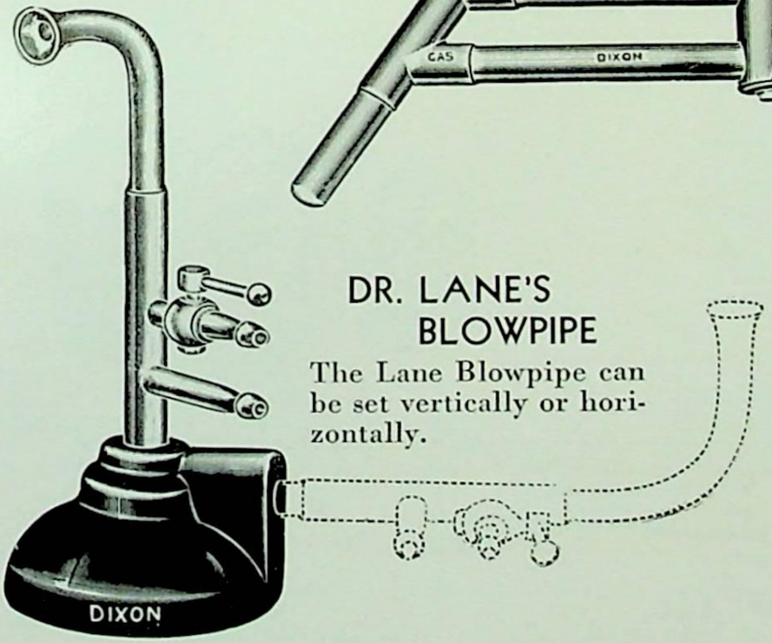


Fig. 9127

DR. LANE'S BLOWPIPE

The Lane Blowpipe can be set vertically or horizontally.

ALCOHOL LAMPS

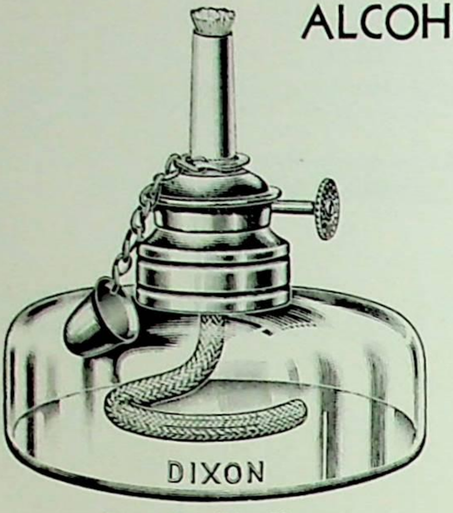


Fig. 9136 (No. 5)

GLASS ALCOHOL LAMP

This Lamp is the same style as No. 1, except that it has a larger base, 3¾″ diameter, 1¼″ high. Capacity 4 ounces. Takes wick ¼″ diameter.

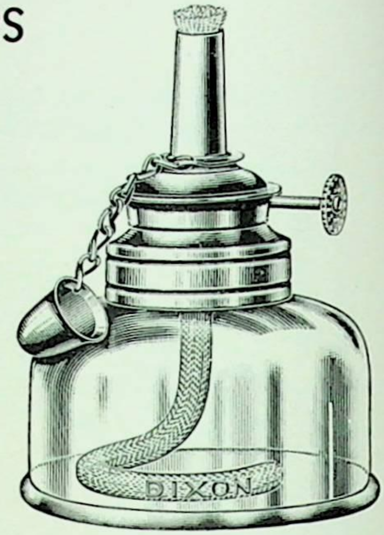


Fig. 9134 (No. 2)

GLASS ALCOHOL LAMP

Glass base 2½″ diameter. Depth of base 1¾″. Ratchet burner is brass, nickel dipped. ¼″ diameter wick. Capacity 3 ounces.

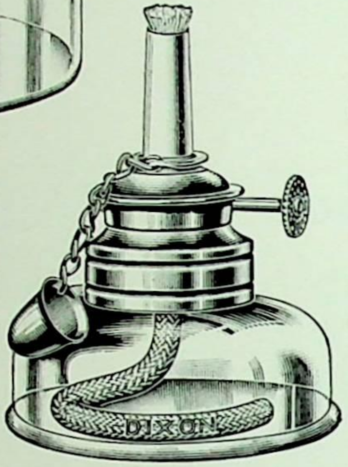


Fig. 9132 (No. 1)

GLASS ALCOHOL LAMP

The base is made of glass, 2½″ diameter, 1″ deep. The ratchet burner is brass, nickel dipped. Capacity 1½ ounces. Takes wick ¼″ diameter.

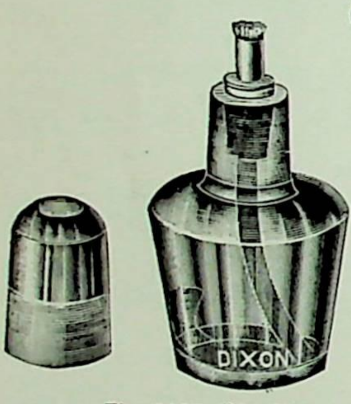


Fig. 9137 (No. 3)

GLASS ALCOHOL LAMP

Cap and base made of glass. Neck and cap ground to fit tight. Diameter 2″. Height 3¼″. Capacity 1½ ounces. Takes ¼″ wick.

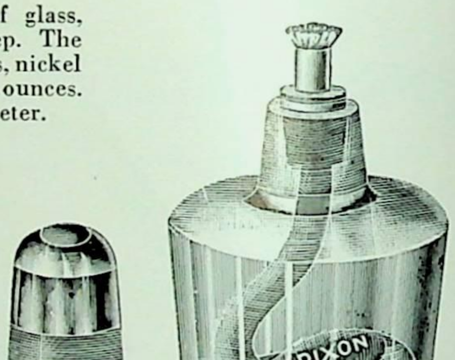


Fig. 9138 (No. 4)

GLASS ALCOHOL LAMP

Cap and base are made of glass. Neck and cap are ground to fit tight. Diameter 2½″. Height 3½″. Capacity 3 ounces. Takes ¼″ wick.

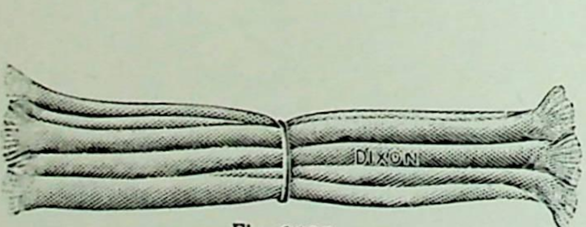


Fig. 9135

EXTRA LAMP WICKS

Small Size, ¼″ for Lamps Nos. 1, 2, 3, 4 and Fig. 9140
Large Size, ¾″ for Large Spherical Lamp, Fig. 9141

ALCOHOL LAMPS

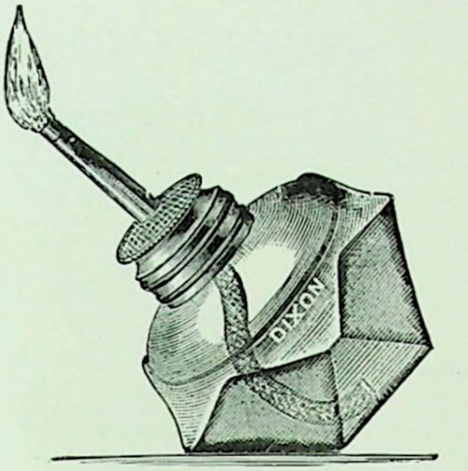


Fig. 9139

SIMPLICITY LAMP

Glass base with flat facets. Can be used in an upright position or at an angle. Made in three sizes:

Small	3/16″ Tube	1½ Ounces
Medium	¼″ "	4 "
Large	½″ "	4½ "

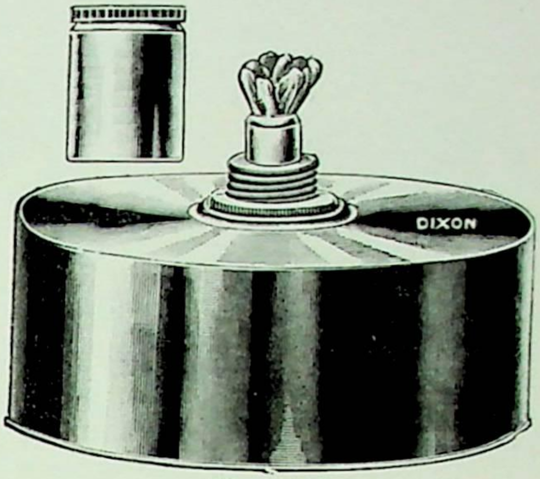


Fig. 9143

STUDENT'S LAMP

Made of brass, nickel plated. Base is 2½″ diameter x ⅞″ high. Capacity, 1½ ounces.

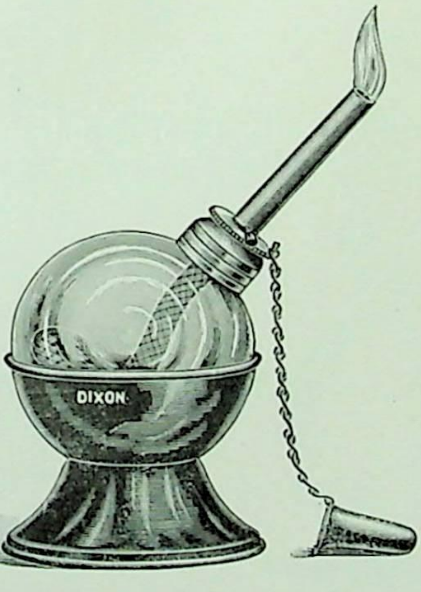


Fig. 9140

GLASS SPHERICAL LAMP

Globe 2¼″ diameter. This size lamp takes wicks ¼″ diameter.

Capacity Two Ounces

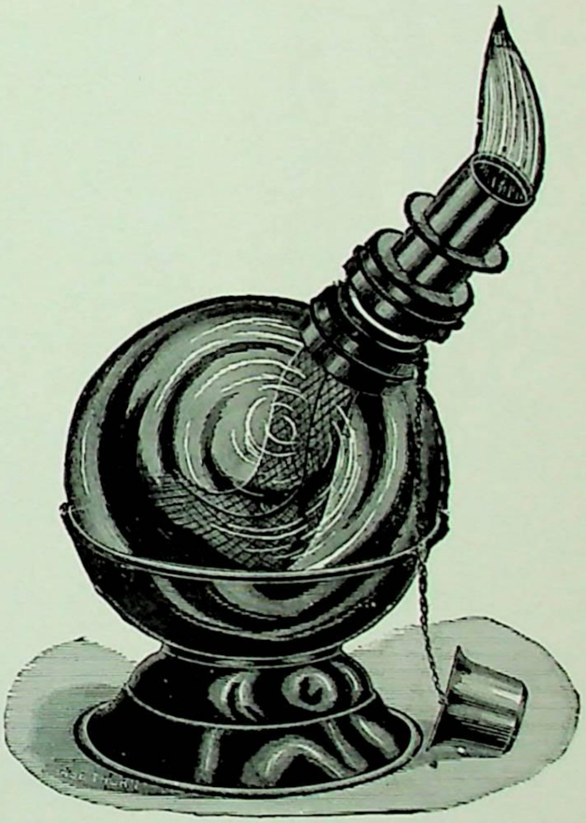


Fig. 9141

GLASS SPHERICAL LAMP

Globe 3½″ diameter. This size lamp takes wicks ¾″ diameter.

Capacity Nine Ounces

ANNEALING TRAYS AND HEATING BURNER

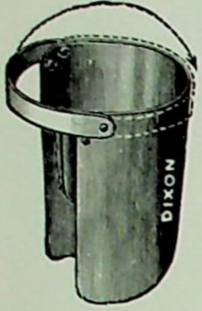


Fig. 9144

FLAME SHIELD

For use on Alcohol Lamps Nos. 1, 2 and 5.

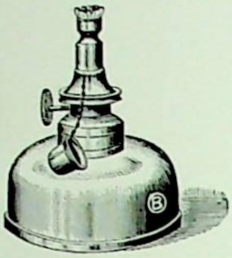


Fig. 9147

BRASS ALCOHOL LAMP

With screw top and ratchet burner. Two sizes: 3-oz. and 5-oz.

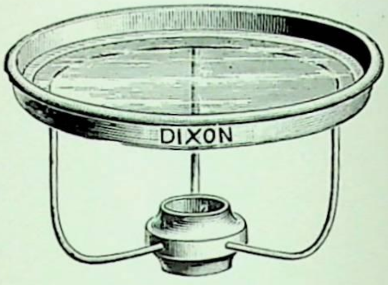
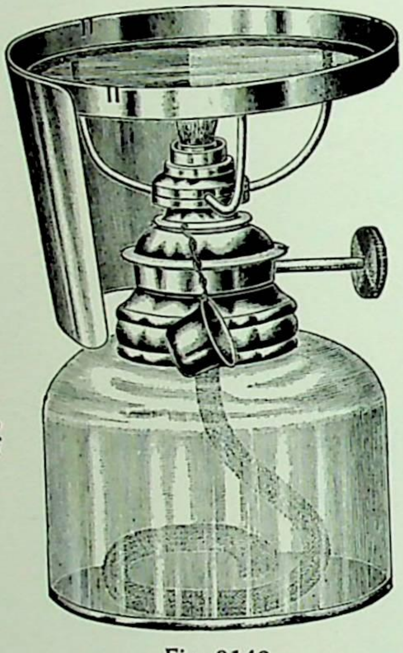


Fig. 9145

ANNEALING TRAY WITH MICA DISK

For use on Alcohol Lamps Nos. 1, 2 and 5. Extra disks carried in stock.

Lamp illustrated to show appearance of tray in use.



Extra mica disks for No. 9 Tray carried in stock.

Fig. 9148

ANNEALING TRAY No. 9 FOR ALCOHOL LAMP No. 2

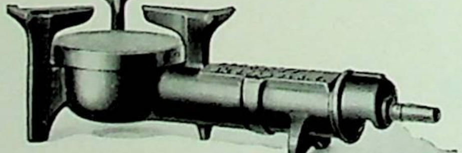


Fig. A 9148

No. 47 SOLID FLAME BOILING BURNER

For large pans and quick heating. It will boil quickly 4 or 5 gallons of water, and will, when required, keep a small pan boiling by simply turning the gas low.
Gas consumption, 60 ft. per hour. Diameter of flame surface, 4¼".

BUNSEN BURNERS AND ACCESSORIES

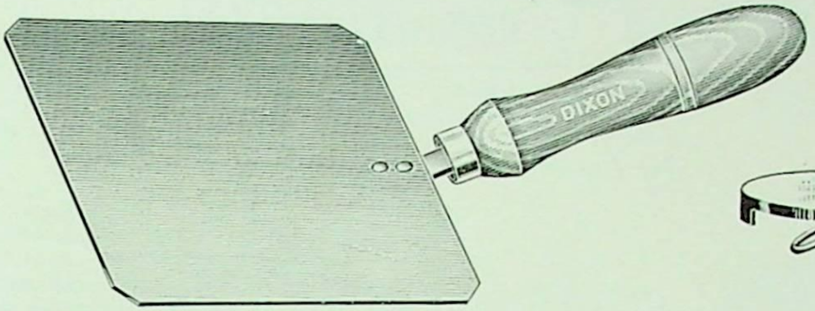


Fig. A 9149

HOT PLATE

Made of heavy sheet aluminum, 5″ long, 4½″ wide. Riveted to a substantial handle.

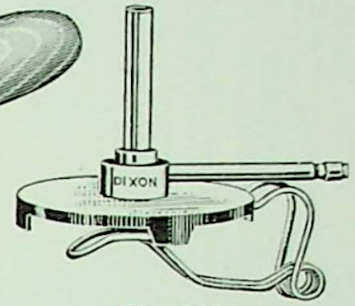


Fig. 9155

BUNSEN BURNER

WITH CLAMP

The clamp is attached to the burner and slips over the edge of the table.
Diameter base 2⅛″. Height 2″.

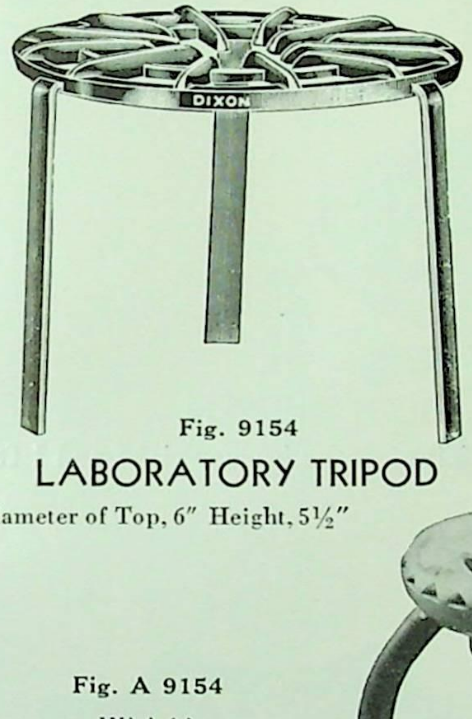


Fig. 9154

LABORATORY TRIPOD

Diameter of Top, 6″ Height, 5½″

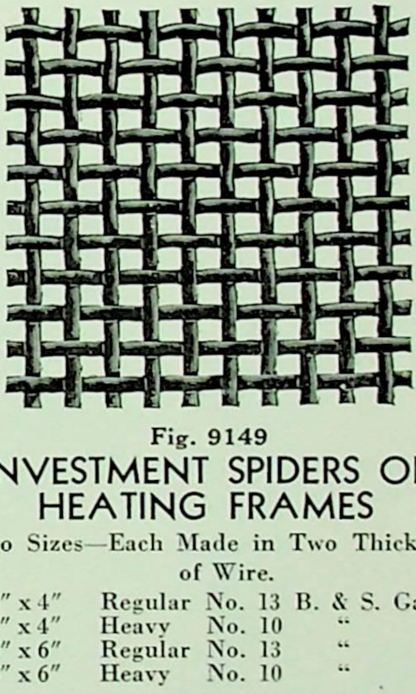


Fig. 9149

INVESTMENT SPIDERS OR HEATING FRAMES

Two Sizes—Each Made in Two Thicknesses of Wire.

4″ x 4″	Regular	No. 13	B. & S. Gauge
4″ x 4″	Heavy	No. 10	" "
6″ x 6″	Regular	No. 13	" "
6″ x 6″	Heavy	No. 10	" "

Can also be supplied chrome plated.

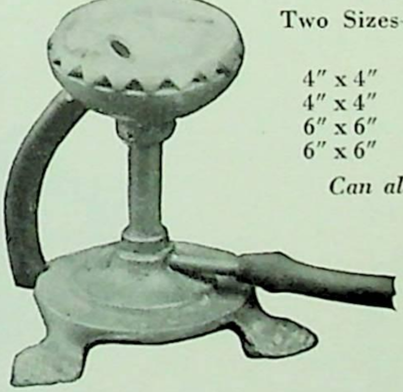


Fig. A 9154

WAX ELIMINATOR

Adjustable to a

BUNSEN BURNER

Patented by Dr. J. J. Stark

This new method of elimination of wax aids in the minimum amount of time it requires to heat the investment for casting, without distorting the molten gold. It also gives clean, polished castings without nodules or silex coating over the casting. The device has a crucible depression, with an opening leading to a pipe, which conducts the molten wax, water and steam away. The flame does not make any contact with the investment material.

LABORATORY BUNSEN (GAS) BURNERS

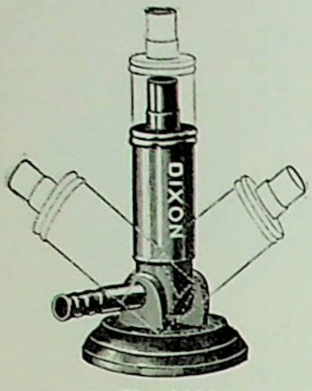


Fig. 9150

SWIVEL BURNER

This illustration shows a burner that can be swung to any desired angle.
It also shows that the outer tube slides up and down upon the burner stem, bringing the flame to the desired point. A very useful tool.

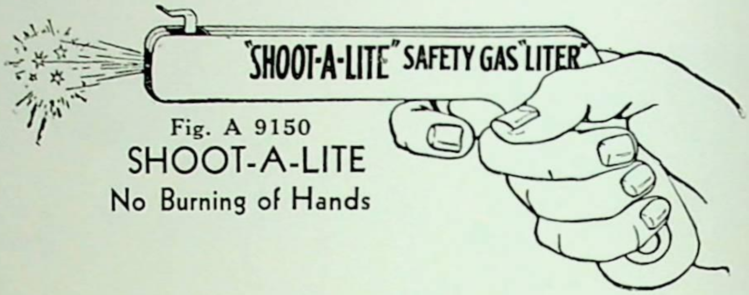


Fig. A 9150

SHOOT-A-LITE

No Burning of Hands

The finest, safest and most efficient torch lighter in the world. Lights Inflammable Gases, Alcohol, Acetylene, Gasoline. The flint remains adjusted automatically. All mechanical parts are specially hardened.
The casing houses a durable mechanism which throws off a brilliant spark from a flint, at each trigger.

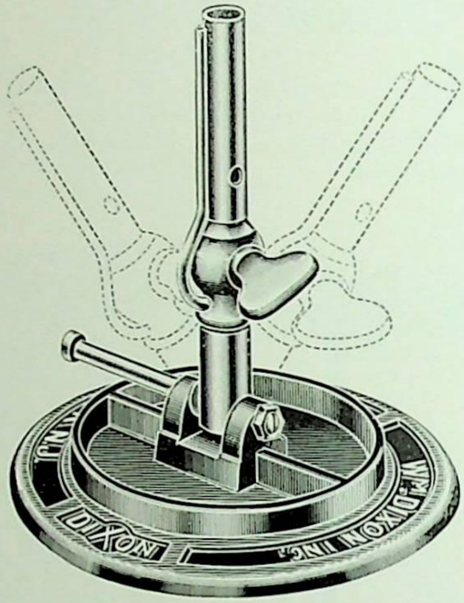


Fig. A 9153

SELF LIGHTING SWIVELING PILOT BUNSEN

Two wax compartments on iron swiveling base. Tipping the burner right and left prevents choking by wax.

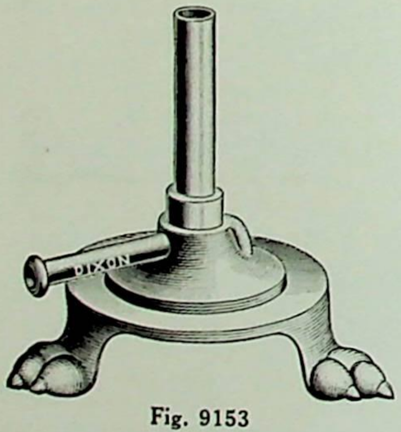


Fig. 9153

BURNER

Made with Iron Base
Made with Bronze Base
Height 3″, Base 3″

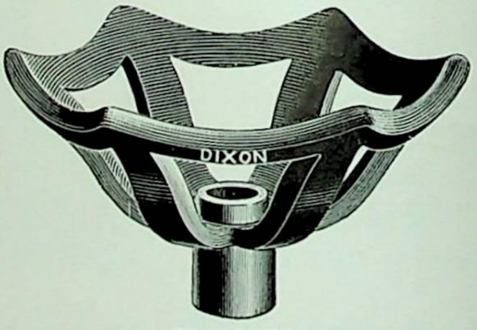


Fig. 9152

"SPIDER"

Made to fit Fig. 9153 Burner. Extreme height, 2″. Extreme diameter, 3½″.

LABORATORY BUNSEN (GAS) BURNERS

Note: When ordering burners, specify if required for natural gas.

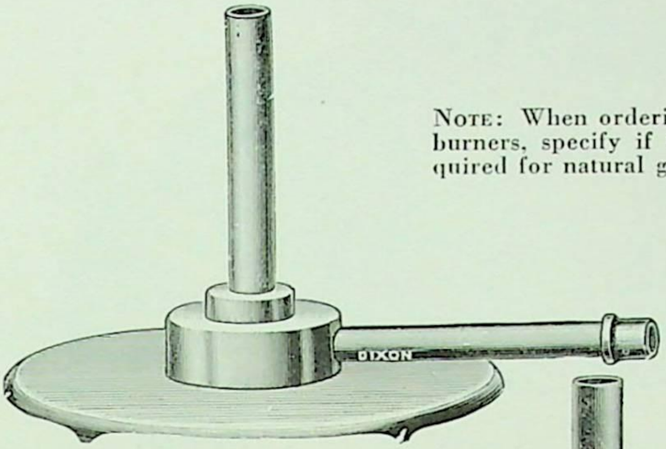


Fig. 9158

NICKELED BUNSEN BURNER

Burns natural gas or illuminating gas without alteration.

Diameter at Base 2¼″
Total Height 2¼″
Made of brass, nickeled.

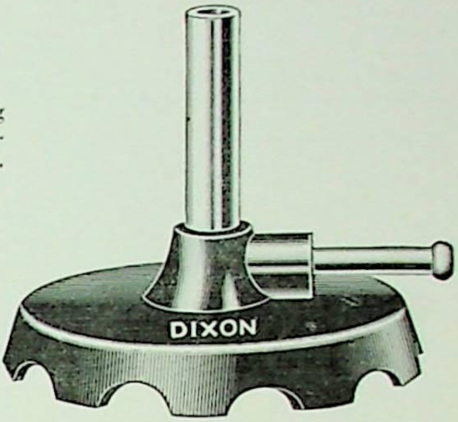


Fig. 9151

No. 5N BUNSEN BURNER

For illuminating or natural gas.
Height, 2⅝″
Substantial japanned bronze base.

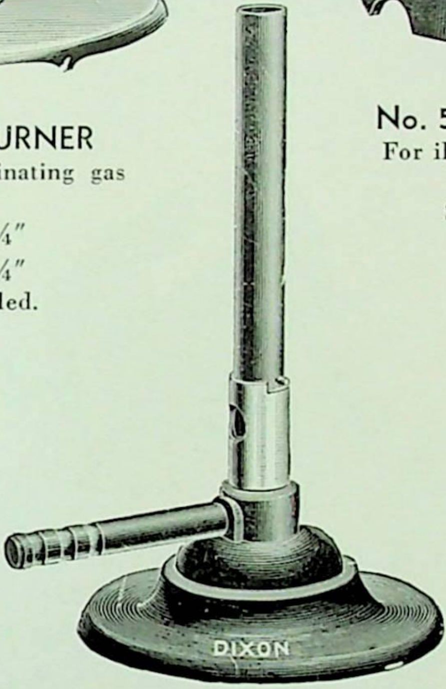


Fig. 9157

PLAIN BUNSEN BURNER

Height to top of Tube 6″
Diameter of Base 3″
Can be used with natural or illuminating gas.

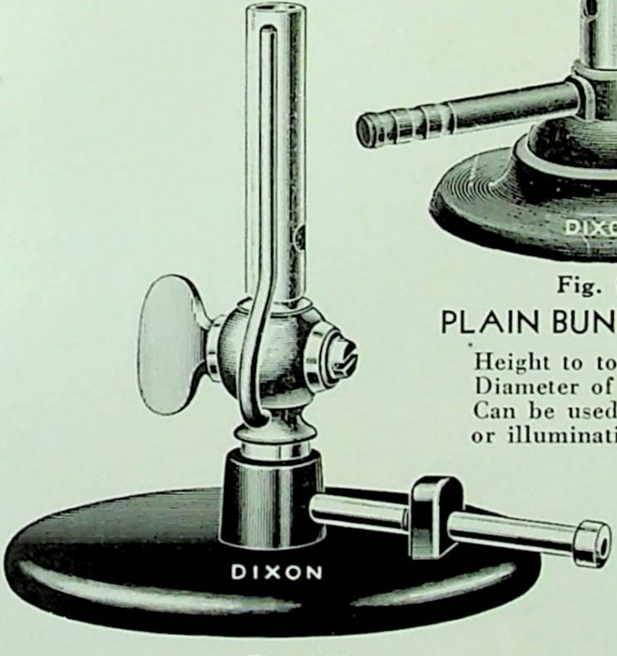


Fig. 9160

PILOT BUNSEN BURNER

Self Lighting and Free from Leakage
Height, 4″. Diameter Base, 3½″

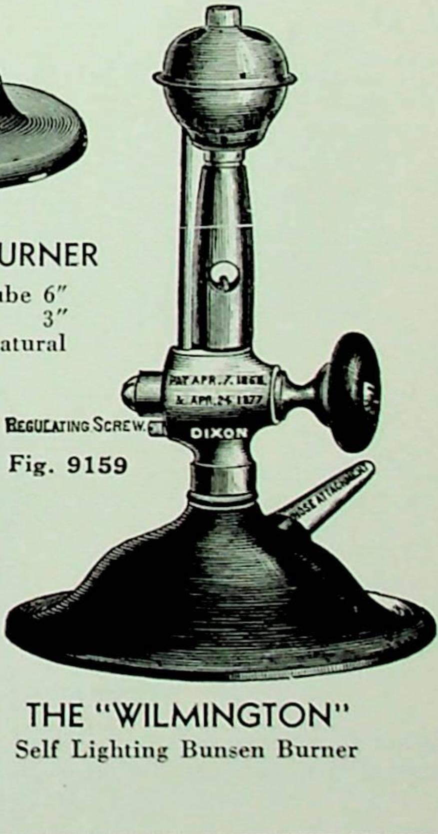


Fig. 9159

THE "WILMINGTON"

Self Lighting Bunsen Burner

FOOT BLOWERS (BELLOWS)
FOR LABORATORY USE

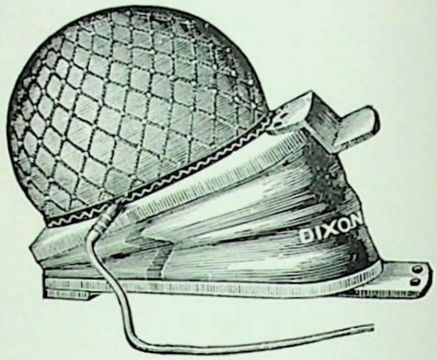


Fig. 9161

FOOT BLOWERS WITHOUT LEGS

Style No. 9 and No. 9A

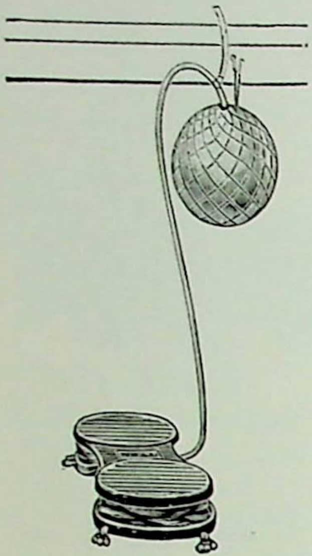


Fig. 9163

FOOT BLOWER
Double Action

We stock extra parts: Rubber Bag, Tee Connection, Net, etc.

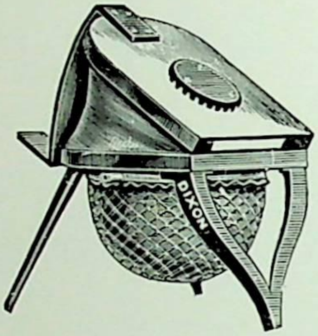


Fig. 9162

FOOT BLOWERS WITH LEGS

Style No. 10 and No. 10A

TABLE OF SIZES AND CAPACITIES OF FOOT BLOWERS

Foot Blowers	Size of Boards	Diameter of Air Reservoir	Pressure of Blast, per Inch	Cubic Feet of Air, per Hour
Nos. 9 or 10	7¾″ x 9″	7¼″	1 Pound	**190**
Nos. 9A or 10A	10 ″ x 11″	9 ″	1½ "	**330**

We stock extra Rubber Disks and Nets.

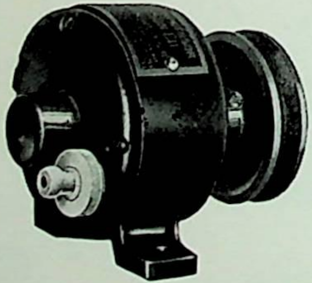


Fig. 9164

VERNON ROTARY COMPRESSORS

Made in 3 sizes—Nos. 1, 2 and 3. Fitted with Bronze Pulleys. Nos. 1 and 2 are supplied with Slotted Pulley and No. 3 with Flat Face Pulley.

ALUNDUM AND CARBORUNDUM WHEELS

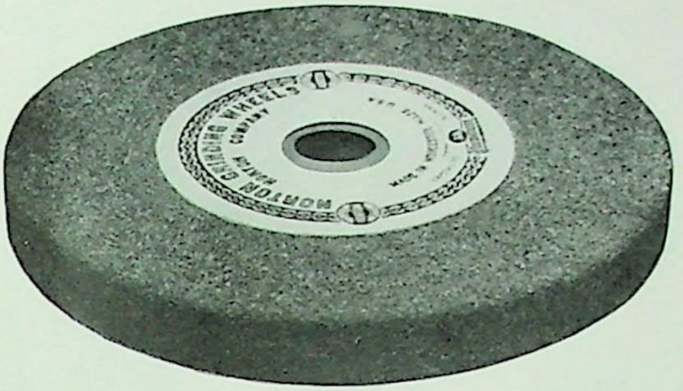


Fig. 9166

"ALUNDUM"

Recommended for grinding artificial stone and plaster models.
Also used for Vulcanite work.

No. 1 3" Diameter x 3/8" Thick
No. 2 3" " x 1/2" "
No. 3 4" Diameter x 3/8" Thick
No. 4 4" " x 1/2" "

With leaded centers. Specify size center hole. Special sizes can be furnished. Prices on request.

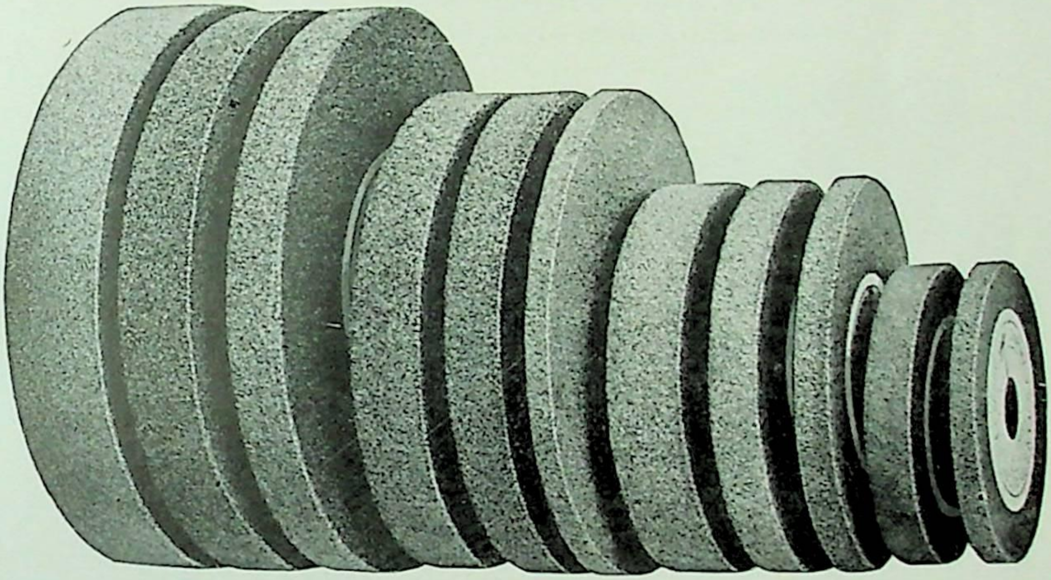


Fig. 9165

SQUARE EDGE CARBORUNDUM

Illustrations Show Diameters and Thicknesses
Made in Fine, Medium and Coarse Grits

No.	Diam.	Thick.	Hole	No.	Diam.	Thick.	Hole
7	1½"	⅛"	¼"	15	2½"	⅛"	¼"
7A	1½"	3/16"	¼"	15A	2½"	3/16"	¼"
8	1½"	¼"	¼"	16	2½"	¼"	¼"
9	1½"	⅜"	¼"	17	2½"	⅜"	¼"
10	1½"	½"	¼"	18	2½"	½"	¼"
11	2"	⅛"	¼"	19	3"	⅛"	¼"
11A	2"	3/16"	¼"	19A	3"	3/16"	¼"
12	2"	¼"	¼"	20	3"	¼"	¼"
13	2"	⅜"	¼"	21	3"	⅜"	¼"
14	2"	½"	¼"	22	3"	½"	¼"

Special size holes can be furnished at a slight additional cost.

CARBORUNDUM ENGINE WHEELS

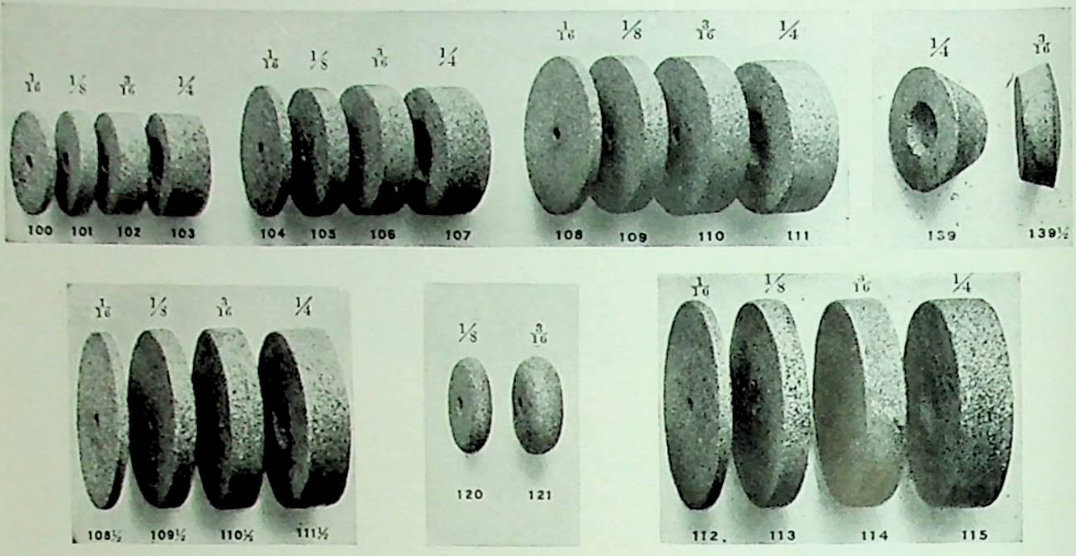
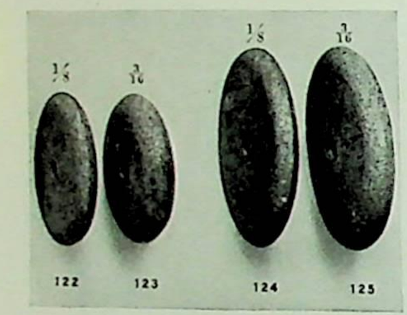


Fig. 9167 STUMP WHEELS
Made in Three Grits—Fine, Medium and Coarse



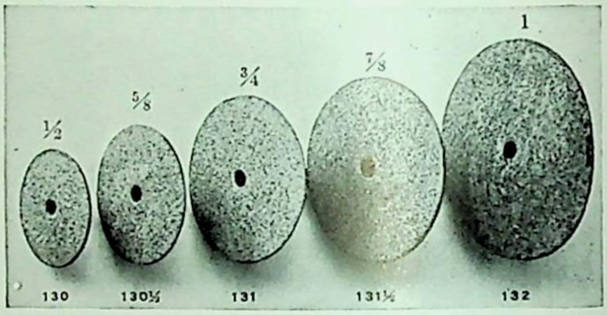
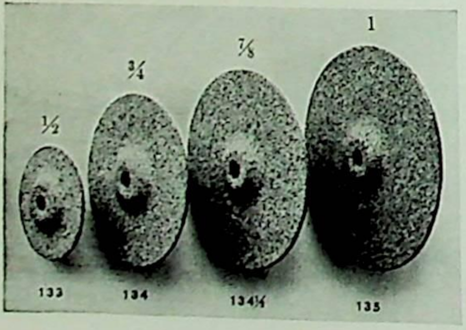


Fig. 9171 ROUND EDGE **Fig. 9168** KNIFE EDGE
Made in Three Grits: C—Coarse. D—Medium. F—Fine.



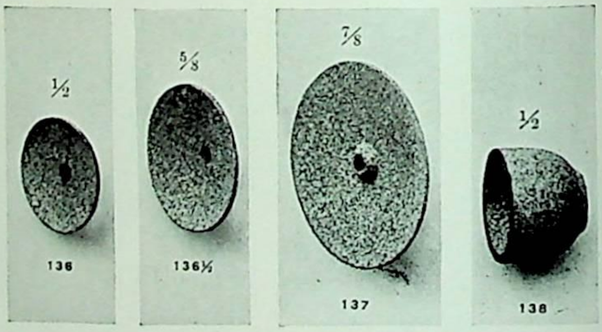


Fig. 9169
THICK CENTER AND THIN EDGE

Fig. 9170
CUP SHAPE DISCS

Made in Three Grits: C—Coarse. D—Medium. F—Fine.

HEATLESS WHEELS, CARBORUNDUM PLATE TRIMMERS, CONES AND ARKANSAS WHEEL

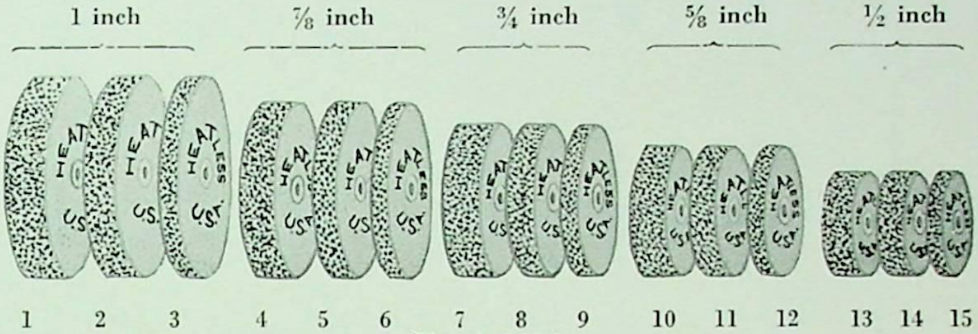


Fig. A 9171

HEATLESS DENTAL WHEELS

The Wheel with the metal hub. Wears true until worn down to the metal hub.

No. 1	1″ Diam.	3/16″	Thick	No. 6	⅞″ Diam.	1/16″	Thick	No. 11	⅝″ Diam.	⅛″	Thick
No. 2	1″ “	⅛″	“	No. 7	¾″ “	3/16″	“	No. 12	⅝″ “	1/16″	“
No. 3	1″ “	1/16″	“	No. 8	¾″ “	⅛″	“	No. 13	½″ “	3/16″	“
No. 4	⅞″ “	3/16″	“	No. 9	¾″ “	1/16″	“	No. 14	½″ “	⅛″	“
No. 5	⅞″ “	⅛″	“	No. 10	⅝″ “	3/16″	“	No. 15	½″ “	1/16″	“

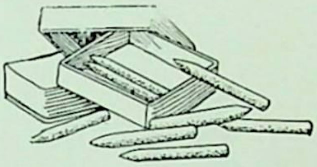


Fig. 9172 (No. 175)

CABORUNDUM POINTS FOR PORTE POLISHERS

Coarse, Medium, Fine, Assorted
Put up twelve in a box.
For use with No. 307 Mandrel.

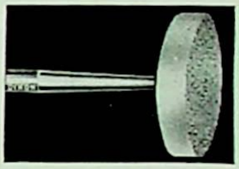


Fig. A 9172

MANDREL MOUNTED ARKANSAS STONE WHEEL

¾″ Diameter x ¼″ Thick
Mounted on No. 303 Mandrel and made to run true.

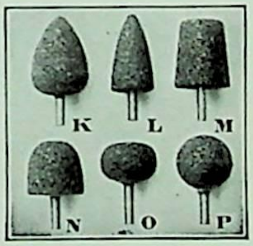


Fig. B 9171

MOUNTED CARBORUNDUM PLATE TRIMMERS

For final fitting of plates. Coarse or medium. Quick-cutting, durable, waterproof. Mounted to fit No. 7 or No. 4 H. P. Shown half size. Six to the box.

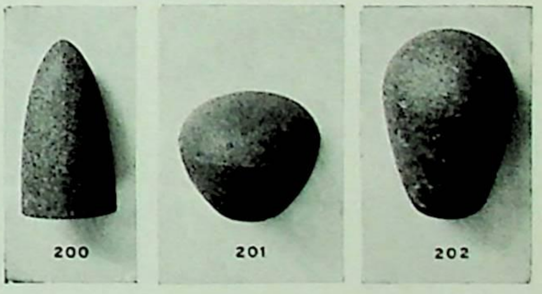
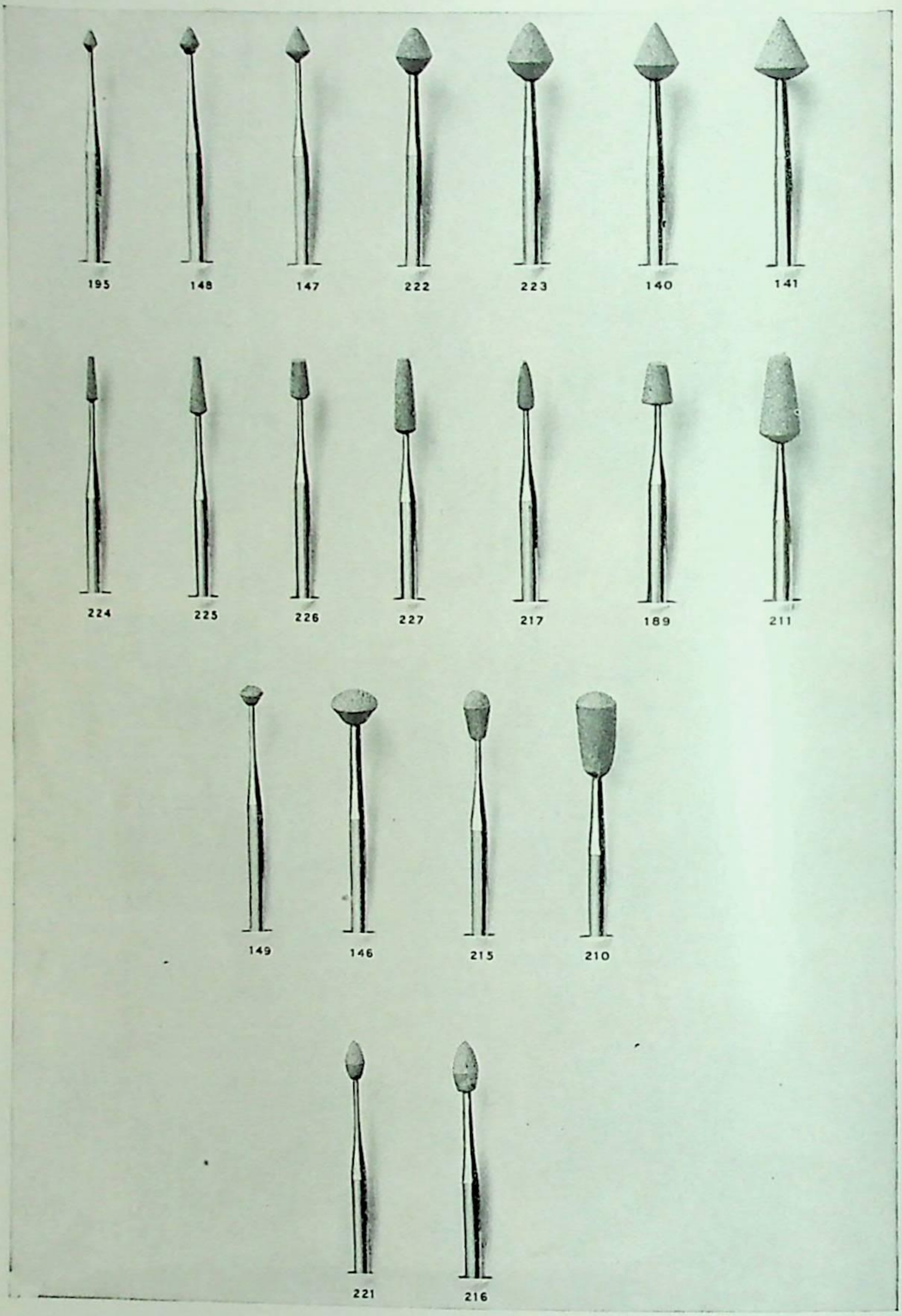


Fig. 9173

CARBORUNDUM CONES

Carborundum Cones cut down and finish vulcanite plates faster than any other form of cones. Made in three grits: Coarse, Medium and Fine.

CARBORUNDUM MOUNTED DENTAL POINTS

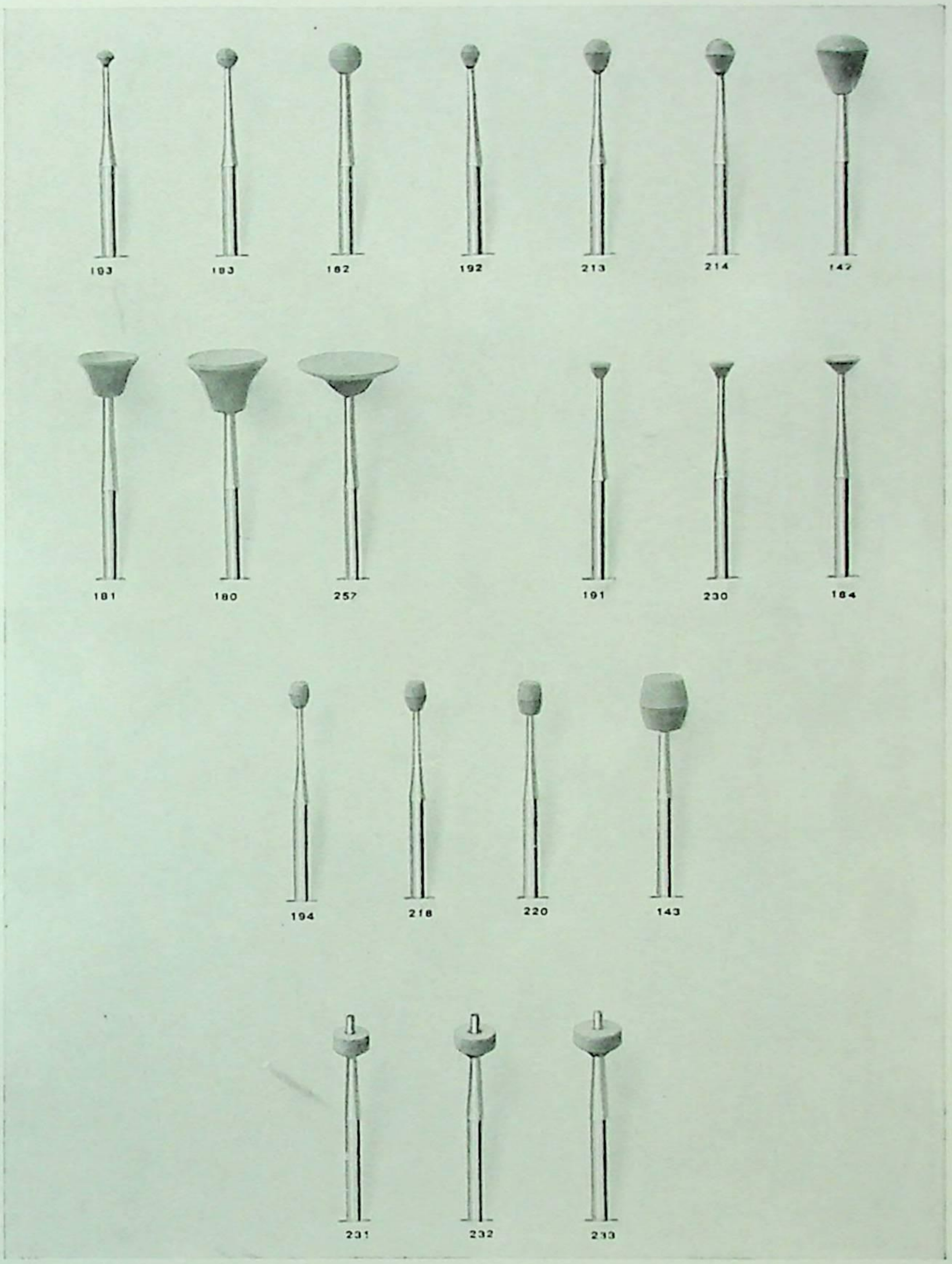


CARBORUNDUM MOUNTED POINTS

Fig. 9174 Made in Three Grits: Coarse, Medium and Fine

Mounted true, and positively will not pull off the mandrel. Made to fit the No. 7 hand-piece, or the No. 2 right-angle hand-piece. Specify hand-piece for which they are desired.

CARBORUNDUM MOUNTED DENTAL POINTS

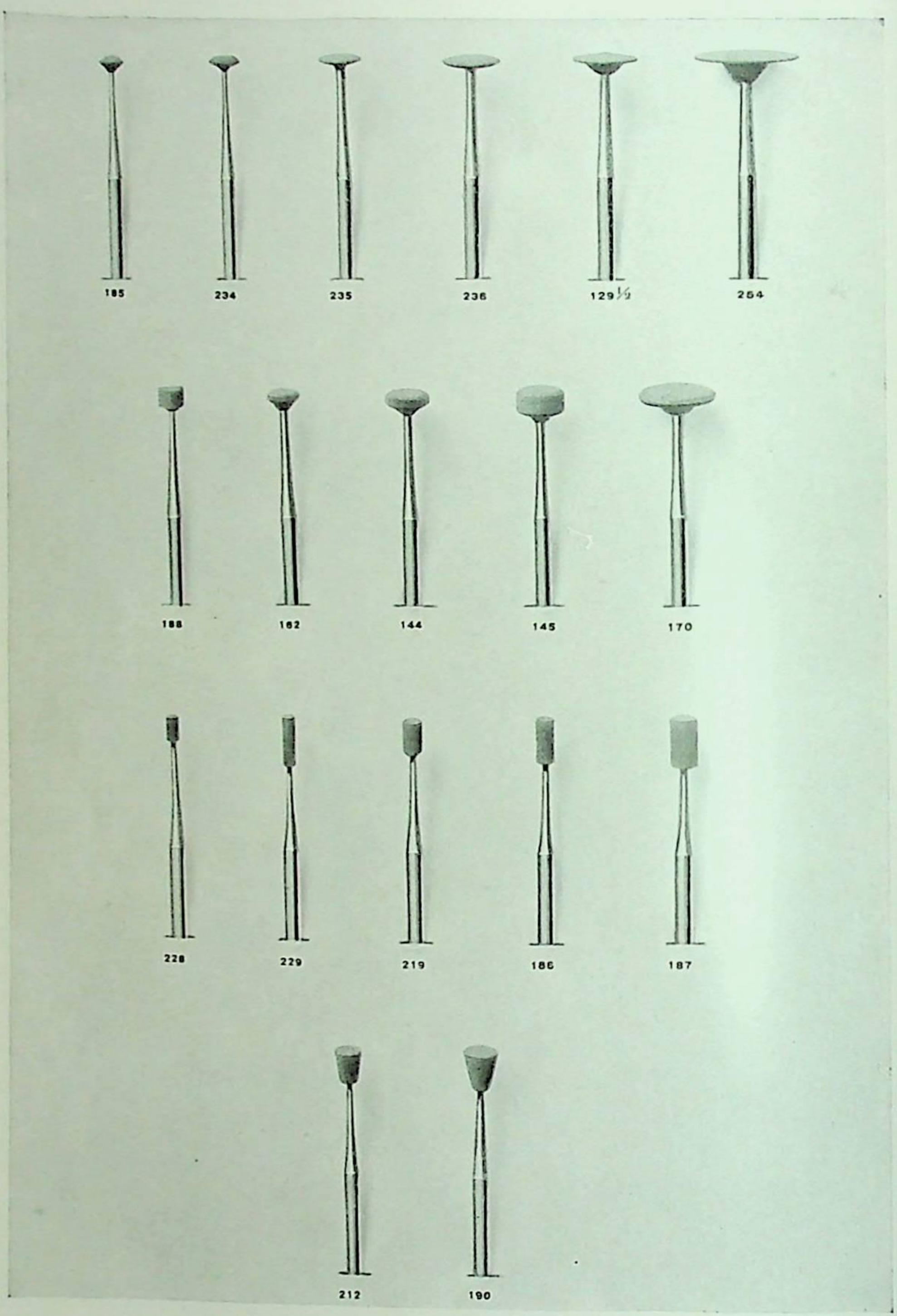


CARBORUNDUM MOUNTED POINTS

Fig. A 9174 Made in Three Grits: Coarse, Medium and Fine

Mounted true, and positively will not pull off the mandrel. Made to fit the No. 7 hand-piece, or the No. 2 right-angle hand-piece. Specify hand-piece for which they are desired.

CARBORUNDUM MOUNTED DENTAL POINTS

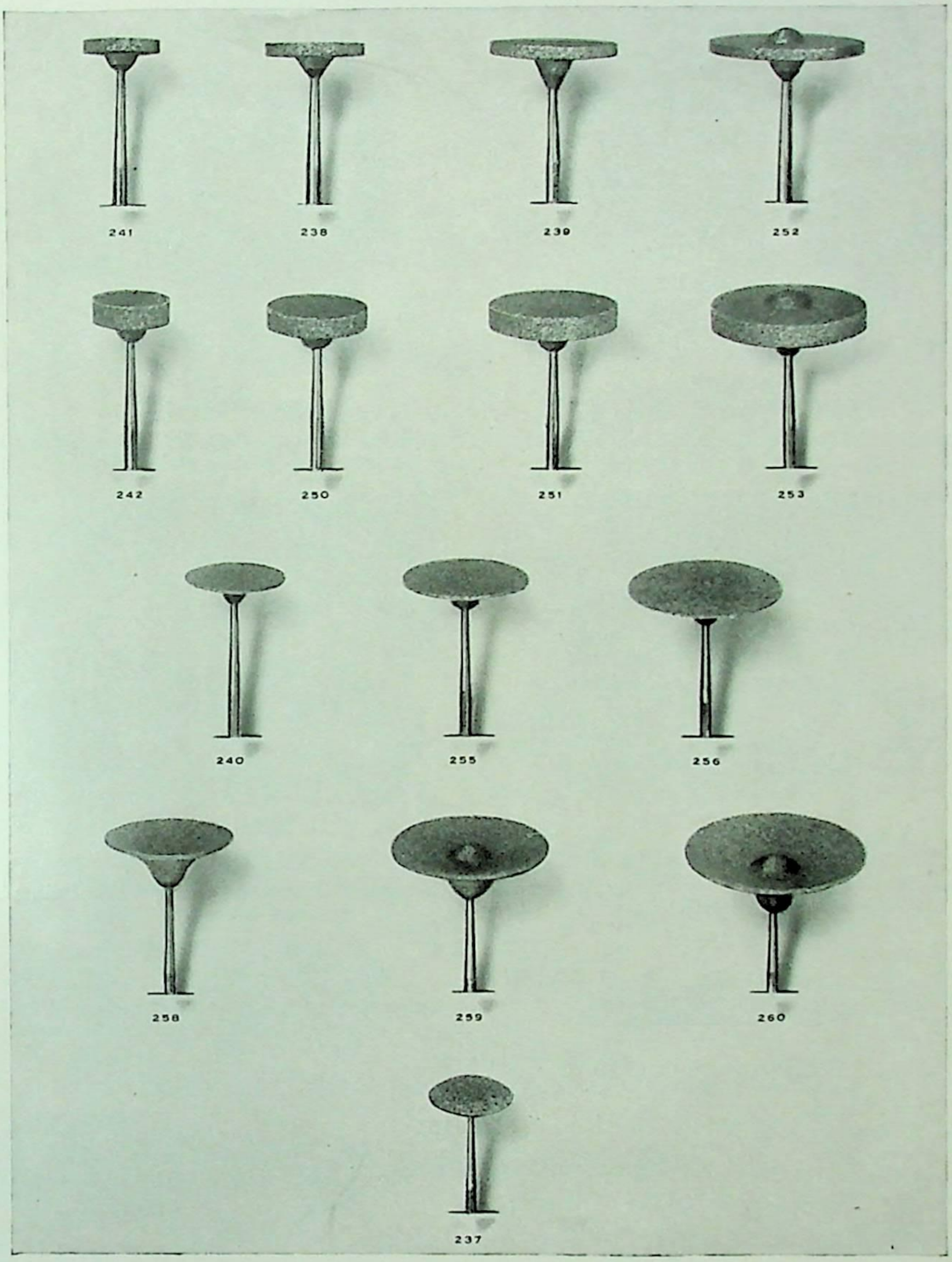


CARBORUNDUM MOUNTED POINTS

Fig. B 9174 Made in Three Grits: C—Coarse. D—Medium. F—Fine.

Mounted true, and positively will not pull off the mandrel. Made to fit the No. 7 hand-piece, or the No. 2 right-angle hand-piece. Specify hand-piece for which they are desired.

CARBORUNDUM MOUNTED DENTAL POINTS



CARBORUNDUM MOUNTED POINTS

Fig. C 9174 Made in Three Grits: Coarse, Medium and Fine

Mounted true, and positively will not pull off the mandrel. Made to fit the No. 7 hand-piece, or the No. 2 right-angle hand-piece. Specify hand-piece for which they are desired.

CARBORUNDUM MOUNTED DENTAL POINTS

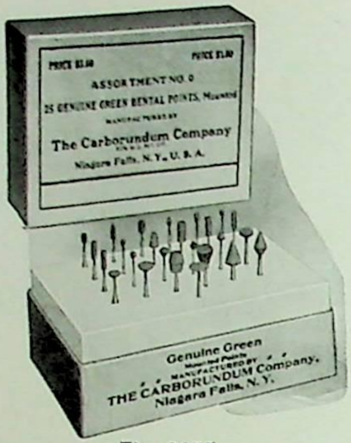


Fig. 9175

ASSORTMENT No. 0

Contains 25 Mounted Carborundum Points in Assorted Sizes and Shapes

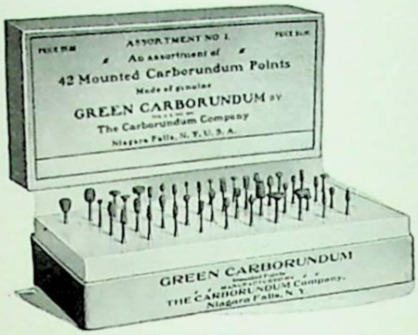


Fig. 9176

ASSORTMENT No. 1

Contains 42 Mounted Carborundum Points in Assorted Sizes and Shapes

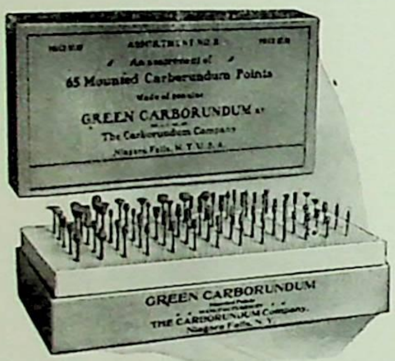


Fig. 9177

ASSORTMENT No. 2

Contains 65 Mounted Carborundum Points in Assorted Sizes and Shapes

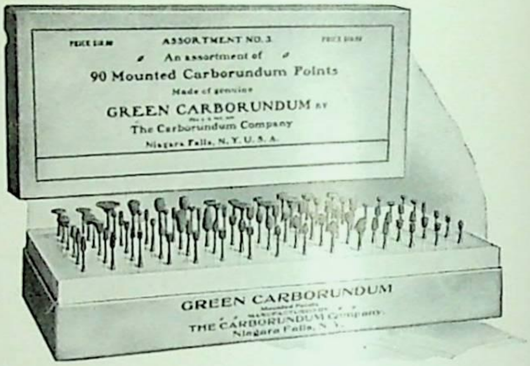


Fig. 9178

ASSORTMENT No. 3

Contains 90 Mounted Carborundum Points in Assorted Sizes and Shapes

◆

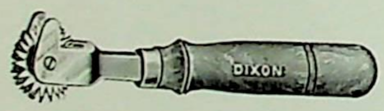


Fig. 9180

COMPLETE WHEEL DRESSER

For truing Carborundum and Corundum Wheels. The sets of cutters can be furnished separately.

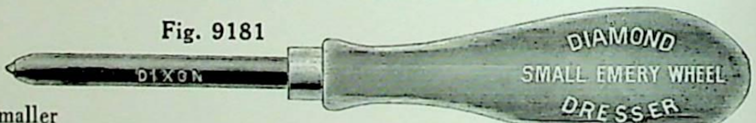
◆

HAND DIAMOND GRINDING WHEEL DRESSERS

Small Diamond Carbons set in steel shanks with wooden handle.

No. 0 For Wheels 3" and Smaller
No. 1 " " 6" " "

Fig. 9181



◆

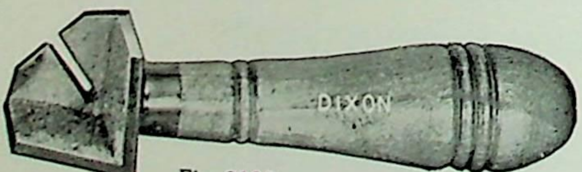


Fig. 9182

GRIFFITH'S TRUER

For keeping stones and wheels true to form. The inside of the metal part is lined with coarse carborundum crystals.

GAS FURNACES AND RUBBER TUBING AND MOULDING SAND

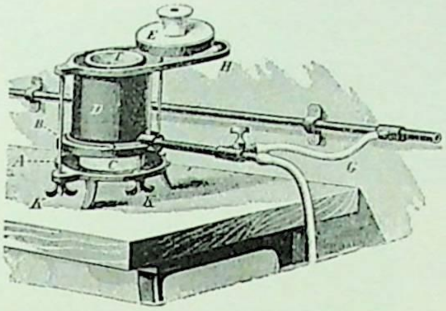


Fig. 9184

LITTLE GIANT GAS MELTING FURNACE

This Melting Furnace takes a Black Lead Crucible, No. 4/0, 3¼″ high, or Round Sand Crucible, 4″ high, and is used principally for small meltings of gold and silver and in laboratory work. The blast is supplied from a positive blower.

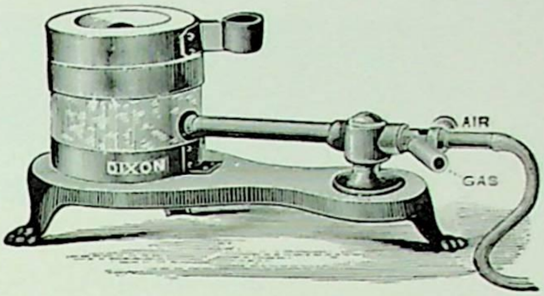


Fig. 9183 (No. 40A)

GAS MELTING FURNACE

Extra Parts for No. 40A Furnace

Extra Furnace Body
Extra Furnace Cover
Extra Furnace Body and Cover
Extra Burner and Stand
Extra Stand, less Burner
Extra Burner Only

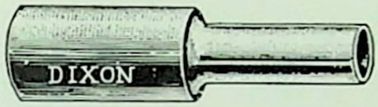


Fig. 9185

REDUCER

For Tubing Connections (Made of Brass)

Size of large end $\frac{7}{16}$″, small end $\frac{5}{16}$″.
For Burners and Blow Pipes.

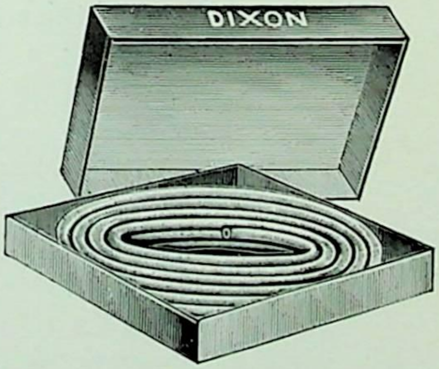


Fig. 9186

RED PURE RUBBER TUBING

Sizes given are internal diameters.

⅛ inch	¼ inch	⅜ inch
$\frac{3}{16}$ "	$\frac{5}{16}$ "	½ "

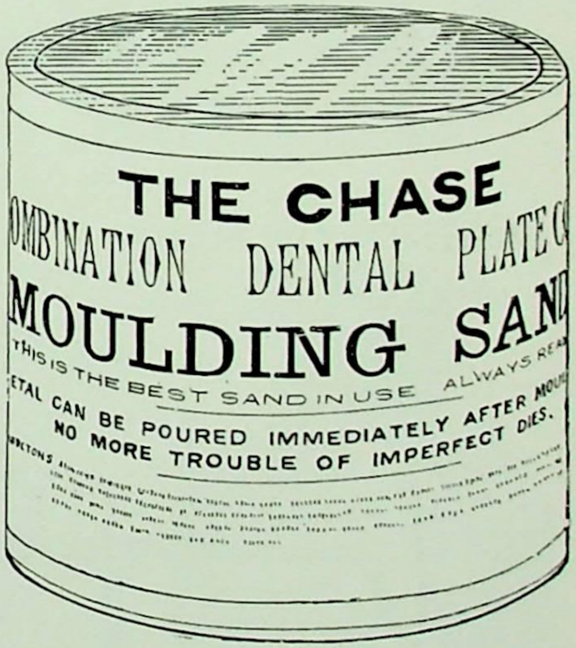

THE CHASE
OMBINATION DENTAL PLATE C
MOULDING SAN
THIS IS THE BEST SAND IN USE
ALWAYS REA
ETAL CAN BE POURED IMMEDIATELY AFTER MOU
NO MORE TROUBLE OF IMPERFECT DIES.

Fig. 9189

CHASE'S MOULDING SAND

Prepared ready for use.

Put up in five pound cans.

CHEMICALLY PREPARED CHARCOAL SOLDERING BLOCKS

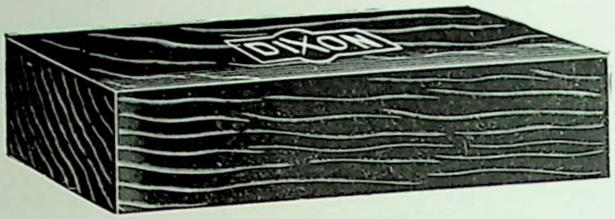


Fig. 9195

CHARCOAL SOLDERING BLOCKS

Quick, sure, convenient soldering depends on the block. Beware of imitations. Our trade mark is on every block. Our charcoal is exceedingly dense and tough, not brittle. It is easily punctured and will hold the work firmly. Blocks are made in the following sizes:

3¼″ x 2¼″	4¾″ x 3″	6¾″ x 2½″	7″ x 4″

These Charcoal Blocks are furnished boxed individually or put up in cartons containing six blocks packed in sawdust. They are supplied individually boxed unless otherwise specified.

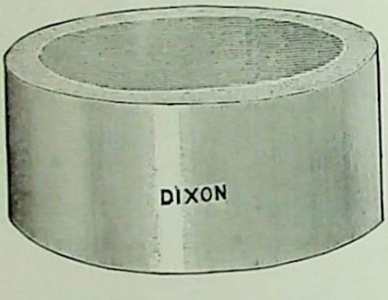


Fig. 9200

ASBESTOS CUP BLOCK

Large Size
4⅝″ diameter x 1¾″ thick.
Boxed individually.

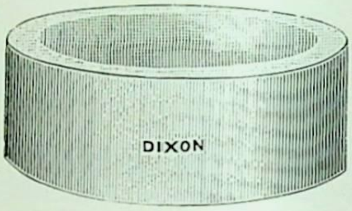


Fig. 9198

ASBESTOS CUP BLOCK

Small Size
3½″ diameter x 1⅛″ thick.
Boxed individually.

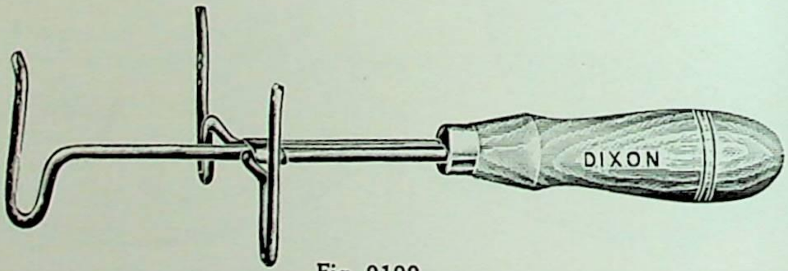


Fig. 9199

WIRE ASBESTOS SOLDERING BLOCK HOLDER

Made of heavy wire, with three legs.
Nickel dipped and fitted with a wooden handle.

SOLDERING MATERIALS

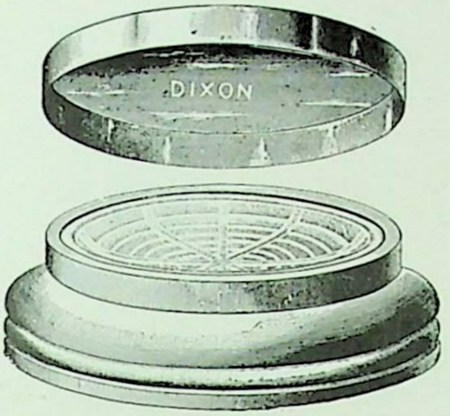


Fig. 9205

BORAX HOLDER

A frosted glass dish set in a stained wood block with lacquered tin cover.

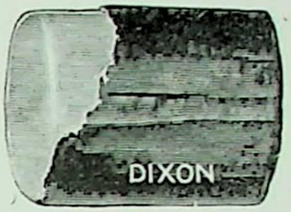


Fig. 9206

PREPARED BORAX

Each stick measures 1⅜″ diameter, 1⅜″ long, and is wrapped in tin foil. Nicely packed in boxes containing eight two-ounce sticks.

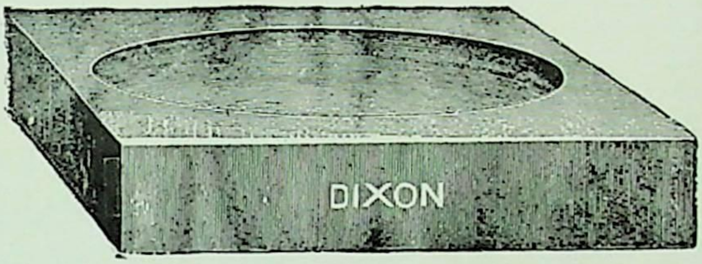


Fig. 9207

BORAX SLATE

Size 3½″ x 3½″ x ⅝″.

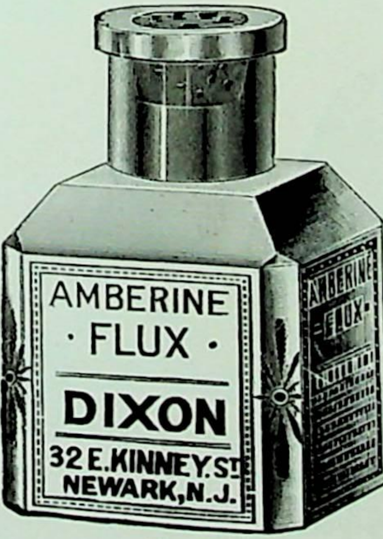


Fig. 9210

AMBERINE FLUX

For Hard Soldering

—o—

SOFT-SOLDERING FLUID

For Soft Soldering

—o—

Put up in following size bottles:

1 oz.	1 pint
4 ozs.	1 quart
8 ozs.	1 gal.

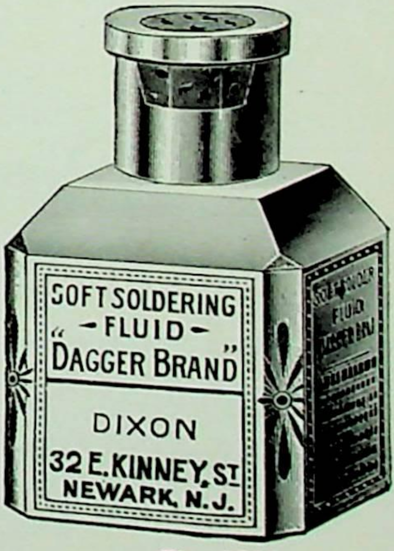


Fig. 9211

ANVILS AND SOLDERING FLUX

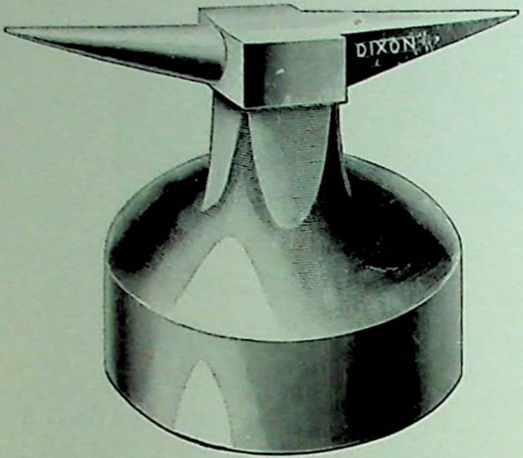


Fig. 9213

ANVIL

Length, Extreme	3¾″
Height, Base to Anvil Face	2½″
Length, Horn End	1⅝″
Length, Bick End	$1\frac{5}{16}''$

Body is $\frac{13}{16}''$ Square.

Made with Japanned or Nickeled Base.

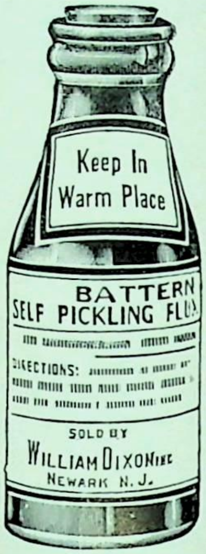


Fig. A 9213

BATTERNS SELF-PICKLING FLUX

Flux for hard soldering Gold, Platinum, Silver, etc. Prepared ready for use. No borax necessary. Holds solder in place. A non-oxidizer. Put up in following sizes: Half Pint, Pint, Quart and Gallon. Also in Trial Size Bottles.

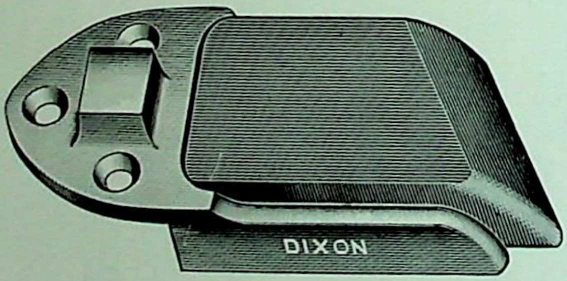


Fig. 9212

BENCH FILING BLOCK

Consisting of Rubber Block, Iron Frame and Chilled Steel Anvil.
Dimensions: Over all Length 5″, Width 2¼″, Weight ¾ Lb.

Extends 3¼″ from edge of bench.
Extra rubbers can be supplied.

VULCANITE BURS

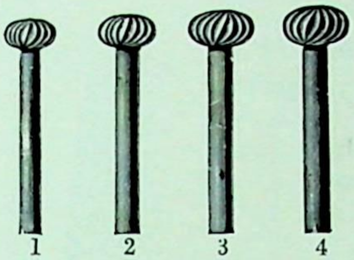


Fig. A 9215, Oval

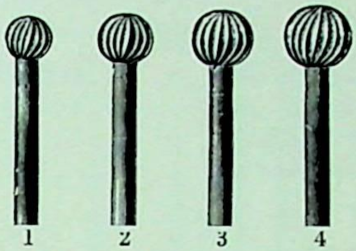


Fig. B 9215, Round

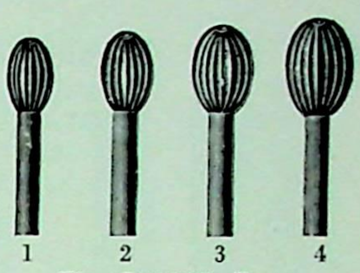


Fig. C 9215, Egg

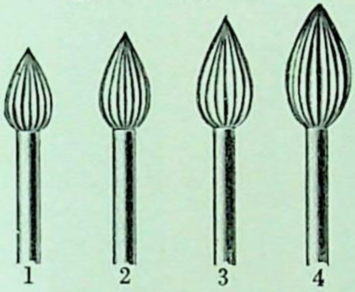


Fig. D 9215, Flame

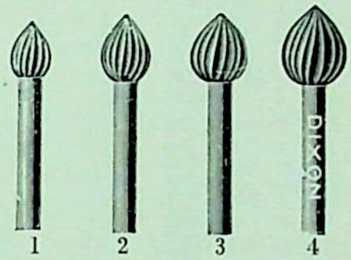


Fig. E 9215, Bud

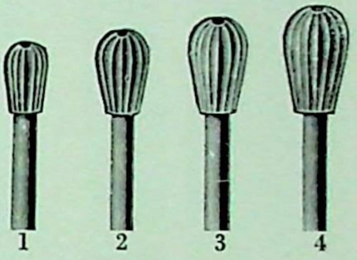
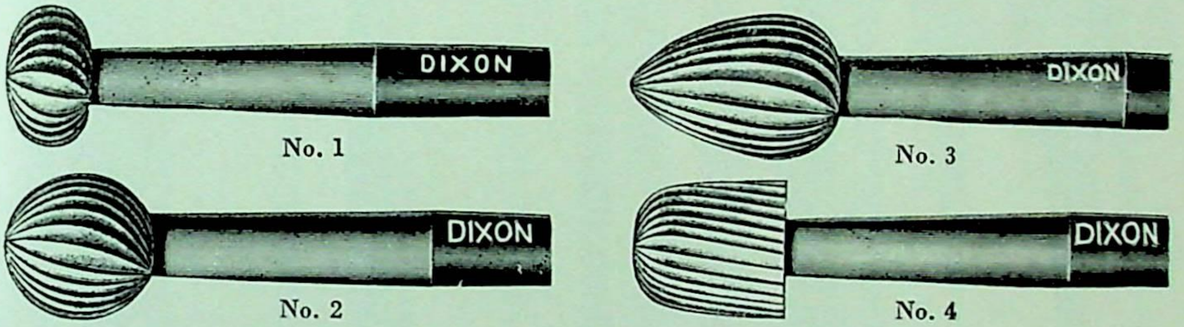


Fig. F 9215, Pear

Fig. 9215 QUARTER-INCH PLATE BURS

For No. 7 handpiece, sharp cutting edges, well made and run true.



No. 1

No. 3

No. 2

No. 4

Fig. 9214

VULCANITE BURS

Illustrations Are Actual Size

For use in laboratory work, cuts down Vulcanite plates quickly.
Can be resharpened with a file.

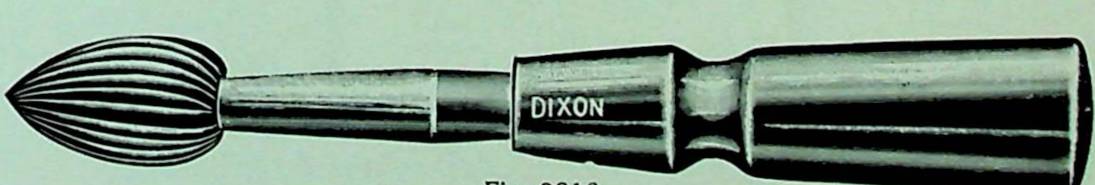


Fig. 9216

CHUCK OR ATTACHMENT

For Fig. 9214 Vulcanite Burs to Fit Ritter Lathe.

GENUINE SWISS AND AMERICAN FILES

GLARDON OR GROBET

No Better Files Made. Glardon Brand always sent unless otherwise specified.

AMERICAN

All Files made by Dixon are uniform in cut, shape and temper.

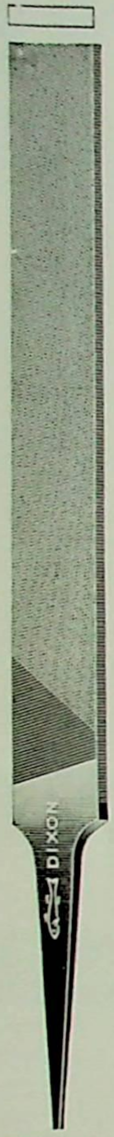


Fig. 9230 (Swiss)

HAND FILES

Length	Cut
4″	Nos. 2, 3 and 4
5″	Nos. 2, 3 and 4
6″	Nos. 2, 3 and 4

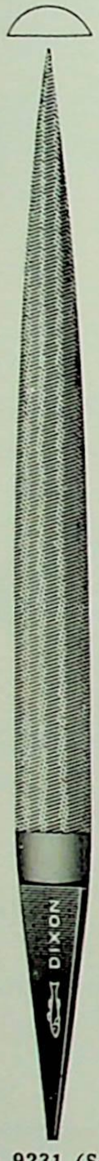


Fig. 9231 (Swiss)

HALF ROUND FILES

Length	Cut
4″	Nos. 2, 3 and 4
5″	Nos. 2, 3 and 4
6″	Nos. 2, 3 and 4

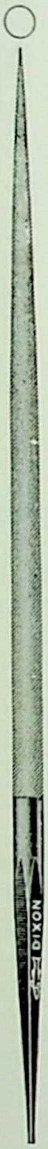


Fig. 9232 (Swiss)

ROUND FILES

Length	Cut
4″	Nos. 2, 3 and 4
5″	Nos. 2, 3 and 4
6″	Nos. 2, 3 and 4

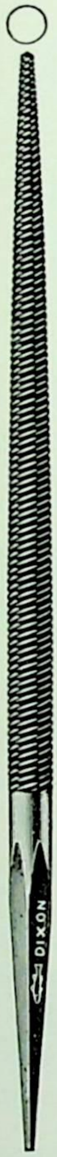


Fig. 9237 (American)

ROUND VULCANITE FILES

5″ and 6″

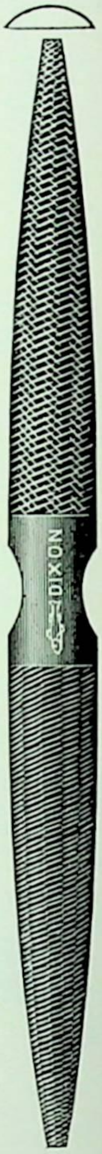


Fig. 9238 (American)

DOUBLE END HALF ROUND VULCANITE FILES

Two Sizes: 8″ and 9″

We can supply additional sizes and cuts of Gold and Vulcanite Files. List and prices furnished upon request.

GENUINE SWISS FILES AND AMERICAN FILES

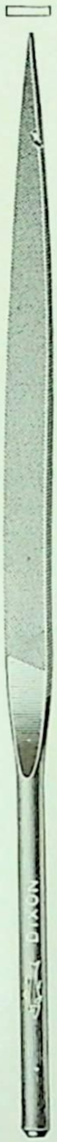


Fig.
A 9233
FLAT

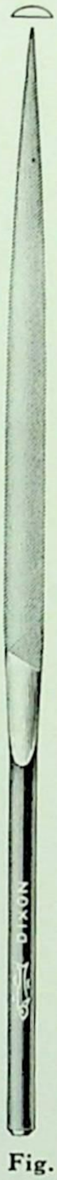


Fig.
B 9233
HALF
ROUND

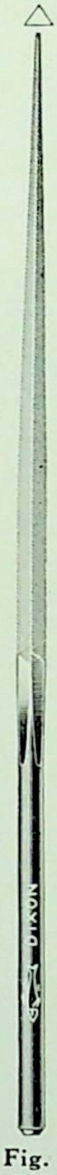


Fig.
C 9233
THREE
SQUARE

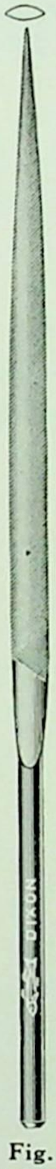


Fig.
D 9233
OVAL

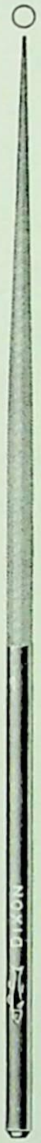


Fig.
E 9233
ROUND

SWISS NEEDLE FILES
(ROUND HANDLES)

These files are carried in cuts Nos. 0, 2, 3, 4, 5 and 6.

	Length Cut	*Length Overall*
14 c/m	2¾″	5½″
16 c/m	3½″	6¼″

"GLARDON BRAND" always sent unless otherwise specified.

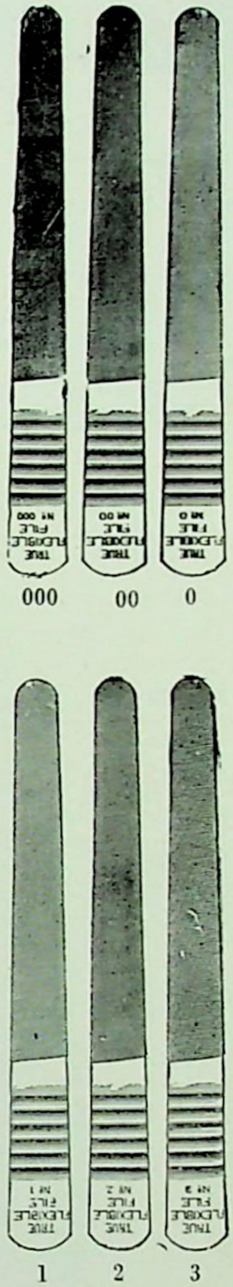


Fig. 9236
"TRUE FLEXIBLE"
FILES

Cut on one side, also on both edges. Opposite side smooth. Nos. 000 to 3.

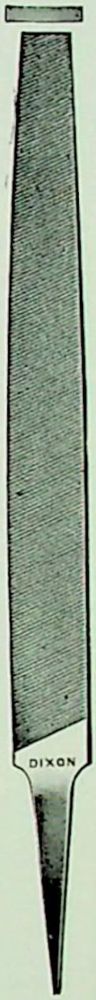


Fig.
9234
AMERICAN
"MILL"
SHAPE
FILE
Length, 8″
Bastard Cut

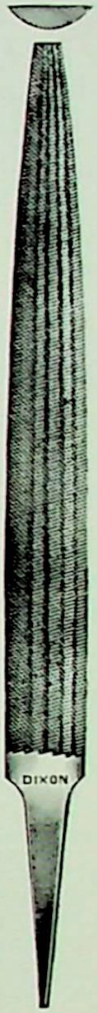


Fig.
A 9234
AMERICAN
"HALF
ROUND"
FILE
Length, 8″
Bastard Cut

Dixon sells only the finest grades of Files of imported and American makes.

HANDLES AND FILE CARDS

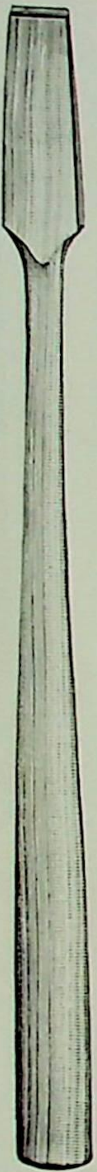


Fig. 9245

HAMMER HANDLE

Made of Ebony, Hickory and Whitewood.

Fig. A 9245

Same as Fig. 9245 but cut down to fit Hammers Figs. 9251, 9252 and 9257.

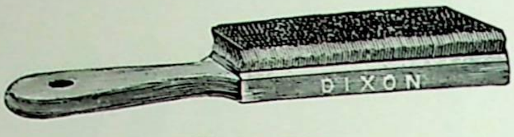


Fig. A 9235

PHOENIX FILE CARD

Made of steel wire, set in leather and mounted on a block, with handle.

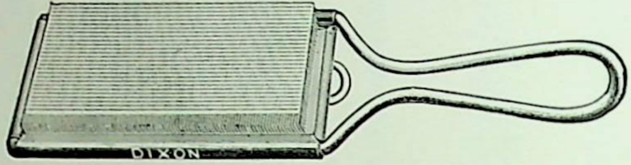


Fig. 9235

COLTON'S No. 10 PATENT FILE CLEANER

Durable—Economical—Unbreakable

Illustration is three-eighths actual size. Full size, 8″ long and 2″ wide. Steel back, frame and face, with scorer.

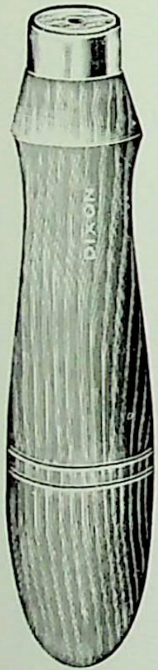


Fig. 9243

FANCY FILE HANDLE

Made of selected, thoroughly cured Maple Wood.
Length 4½″. Diameters of Ferrule Ends: ⅜″, ½″, ⅝″ and ¾″.

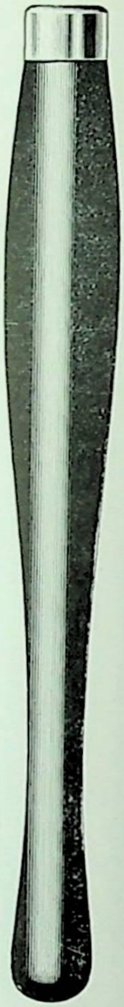
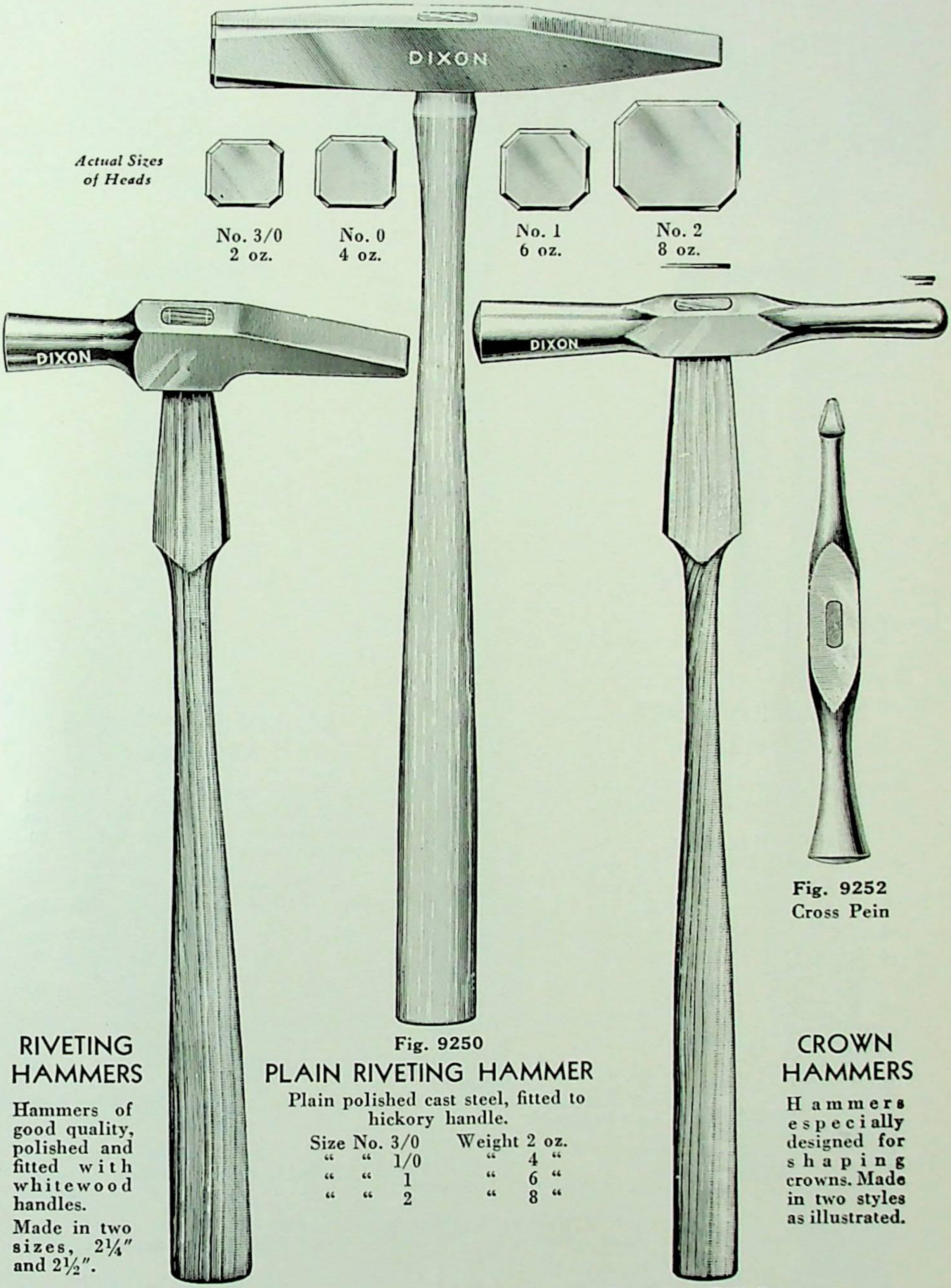


Fig. 9244

SCRAPER HANDLES

(Exact Size)

RIVETING, ALSO CROWN HAMMERS



Actual Sizes of Heads

No. 3/0
2 oz.

No. 0
4 oz.

No. 1
6 oz.

No. 2
8 oz.

Fig. 9252
Cross Pein

Fig. 9250

PLAIN RIVETING HAMMER

Plain polished cast steel, fitted to hickory handle.

Size	No.		Weight	
Size	No.	3/0	Weight	2 oz.
"	"	1/0	"	4 "
"	"	1	"	6 "
"	"	2	"	8 "

RIVETING HAMMERS

Hammers of good quality, polished and fitted with whitewood handles.

Made in two sizes, 2¼″ and 2½″.

Fig. 9246 Size 2¼″

CROWN HAMMERS

Hammers especially designed for shaping crowns. Made in two styles as illustrated.

Fig. 9251, Ball Pein

HAMMERS AND MALLETS

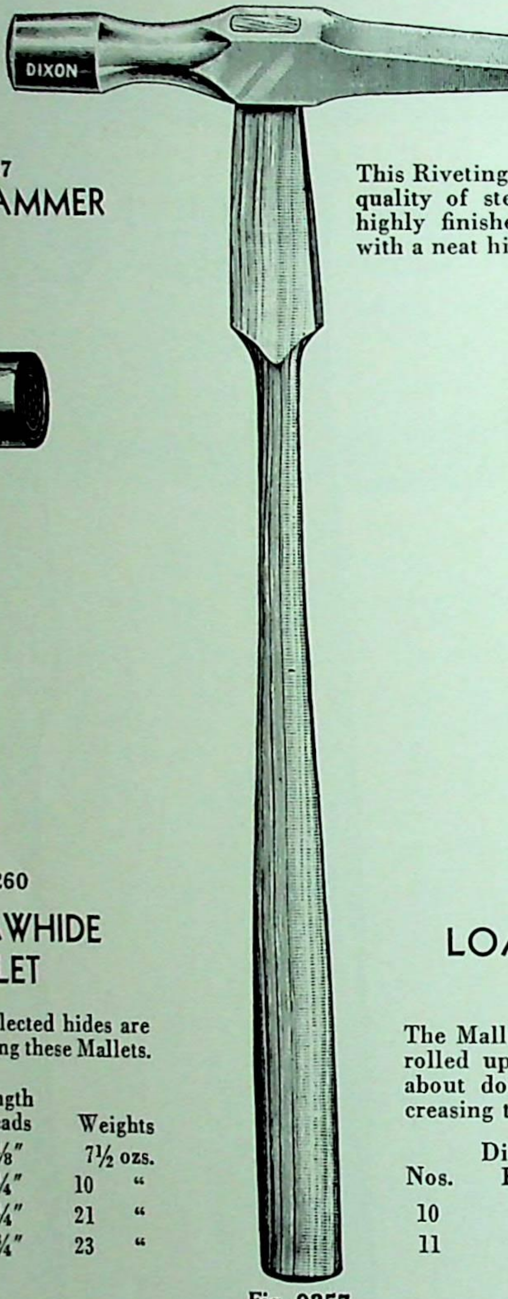


Fig. 9257

RIVETING HAMMER

This Riveting Hammer is made of the best quality of steel—carefully tempered and highly finished. Each hammer is fitted with a neat hickory handle.

Fig. 9257

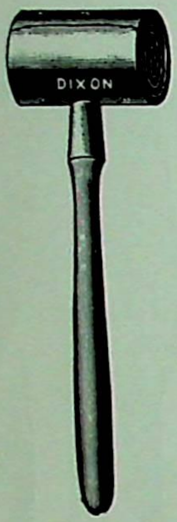


Fig. 9260

SOLID RAWHIDE MALLET

Nothing but best selected hides are used in manufacturing these Mallets.

Nos.	Diameter Heads	Length Heads	Weights
3	1¾"	3⅛"	7½ ozs.
4	2"	3¼"	10 "
5	2¾"	4¼"	21 "
6	2¾"	4¾"	23 "

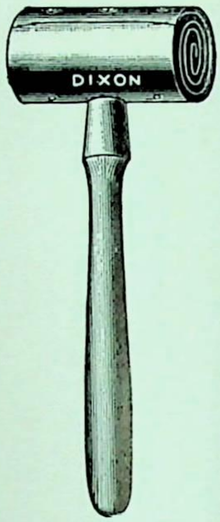


Fig. 9261

LOADED RAWHIDE MALLET

The Mallets have a strip of soft metal rolled up with the hide, which gives about double the weight without increasing their sizes.

Nos.	Diameter Heads	Length Heads	Weights
10	2"	3¼"	20 ozs.
11	2¾"	4¼"	42 "

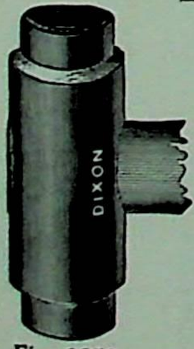


Fig. 9259

RAWHIDE HAMMERS

The body is of cast-iron, either end is bored out to receive rawhide faces made to fit each size body.

Numbers	0	1	2	3	4	5
Weight	½ lb.	1 lb.	1½ lbs.	2 lbs.	4 lbs.	5½ lbs.
Diameter of Faces	1"	1¼"	1½"	1¾"	2"	2¾"

Faces when worn out can be renewed at small cost.
These Hammers are heavy and will be found desirable for use with crown systems.

MALLETS

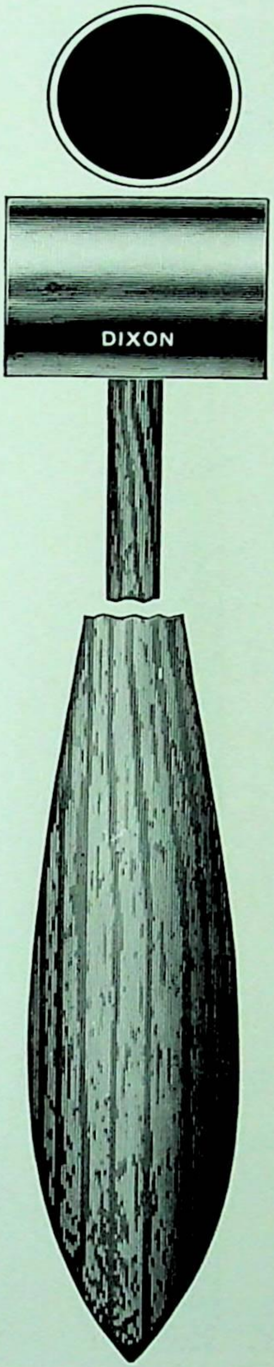


Fig. 9263

Dr. D. R. JENNINGS MALLET

Length 7″

Faces covered with leather, made very hard. Nickel plated. Stained hard hickory handle.

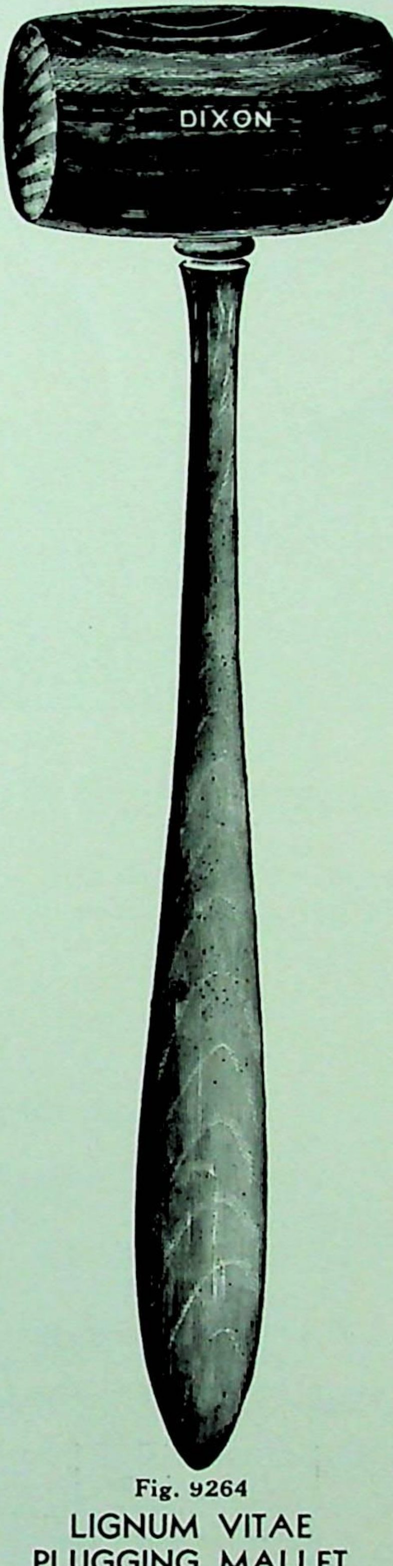


Fig. 9264

LIGNUM VITAE PLUGGING MALLET

Diameter Face	1″
Length of Mallet	1¾″
Length of Handle	6″

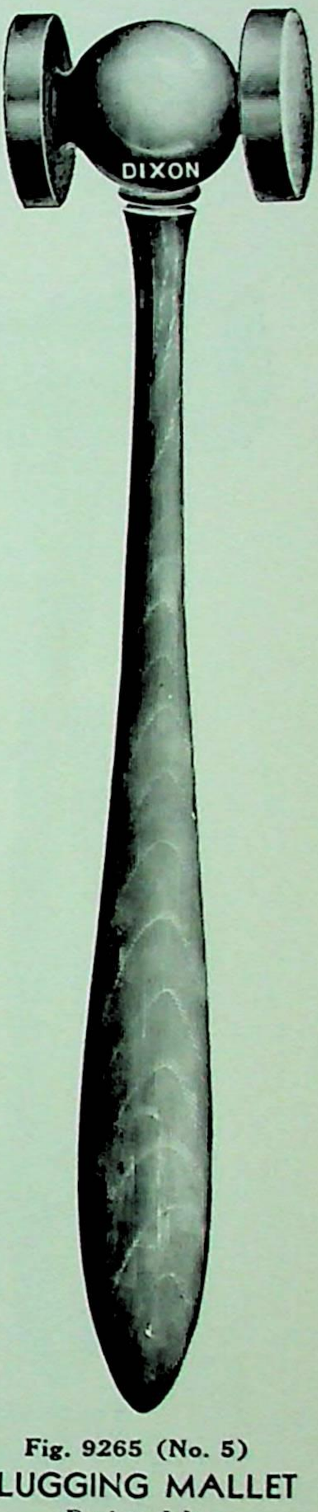


Fig. 9265 (No. 5)

PLUGGING MALLET

Designed by
Dr. A. B. Robbins

Head is made of brass, nickel plated.

HORN MALLETS AND SEALING WAX

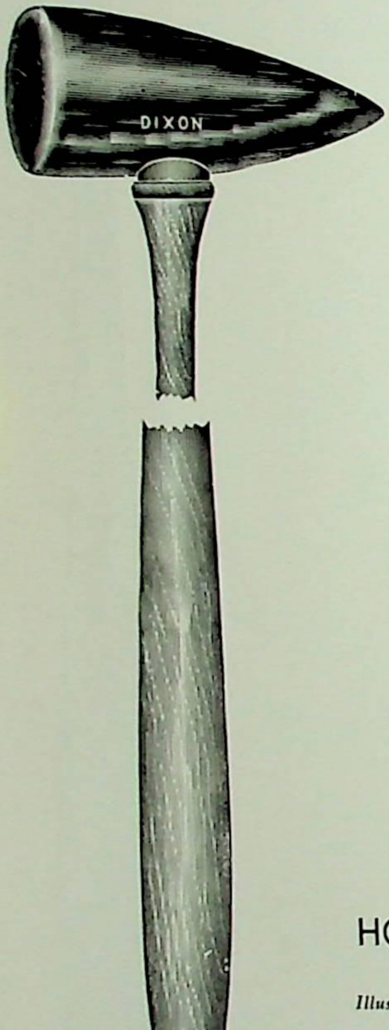


Fig. 9267

HORN CROWN MALLET

Illustration Is Actual Size

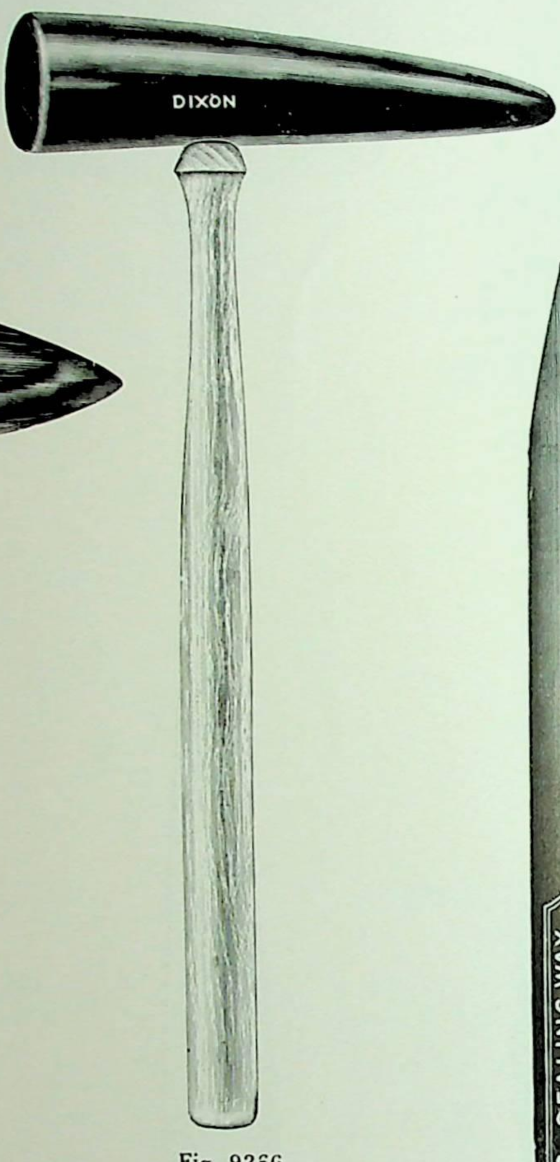


Fig. 9266

HORN SWAGING MALLET

Illustration One-Half Actual Size

These Horn Mallets are made of large, selected, solid horn. Each Mallet is fitted with neatly finished hickory handle pinned in.

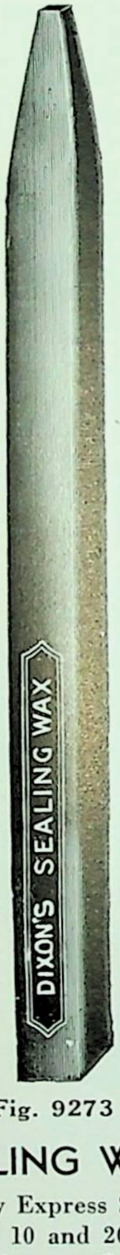


Fig. 9273

SEALING WAX

Extra Quality Express Sealing Wax
3 Sizes: 4, 10 and 20 sticks to the pound.

SOLDERS AND CASSEROLES

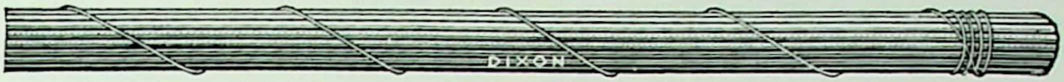


Fig. 9270

SOFT SOLDER

This Solder is cut in strips and put up in bundles weighing one ounce each.

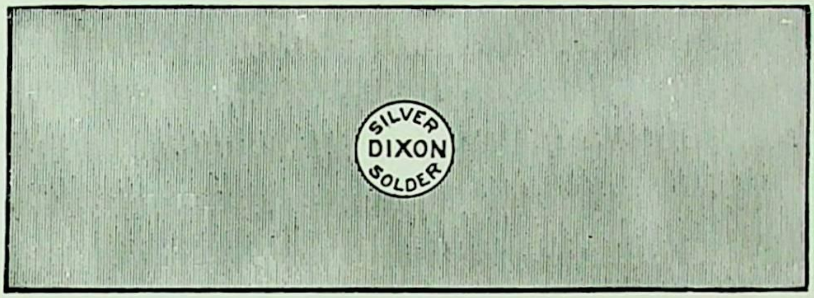


Fig. 9271

SILVER "EASY FLOWING" SOLDER

This Solder is of the finest quality. It is rolled into sheets the shape of illustration. Easy flowing. Sheets 3½" x 2", weight ¼ ounce.

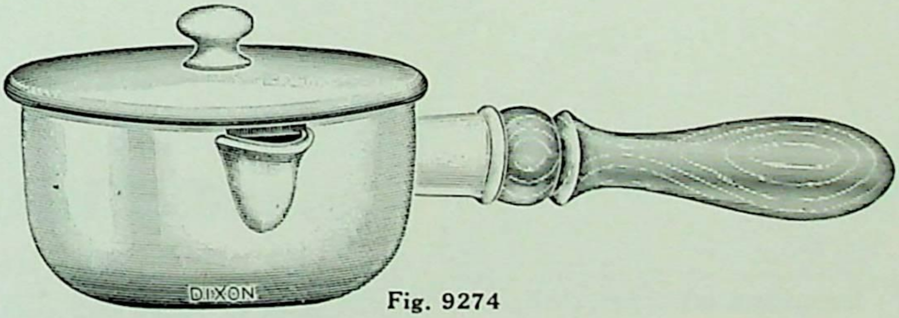


Fig. 9274

PORCELAIN CASSEROLES

Made of finest quality porcelain. The threaded wood handle fits securely.

No.	Diameter	Depth	Capacity
0	3½"	1¾"	4 ounces
1	4"	2⅛"	8 ounces

PORCELAIN AND GLASS MIXING SLABS

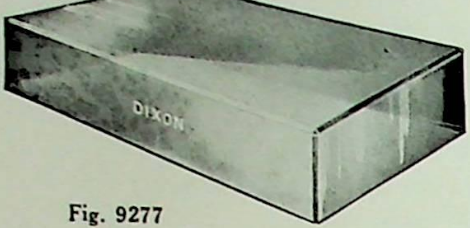


Fig. 9277

HEAVY PLATE GLASS SLAB

Plain Sides and Beveled Edges

A	2½"	x 3½"	x ½"
B	4"	x 6"	x ½"
C	6"	x 3"	x ¾"
D	6"	x 3"	x 1"

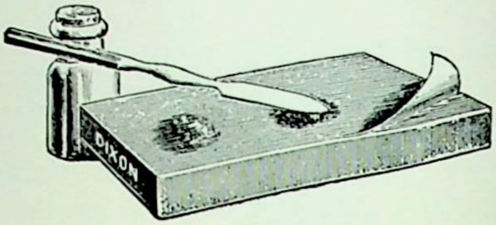


Fig. 9275

THE SPOONER CEMENT PAD

For mixing cement and porcelain.

Made up of a number of layers of wax paper. Provides a clean, sanitary surface for spatulating the cement.

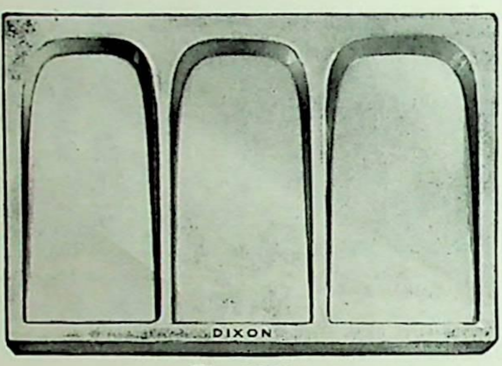


Fig. 9276

PORCELAIN MIXING TABLET

Extreme measurements are 2½" x 4". Three divisions or mixing compartments.

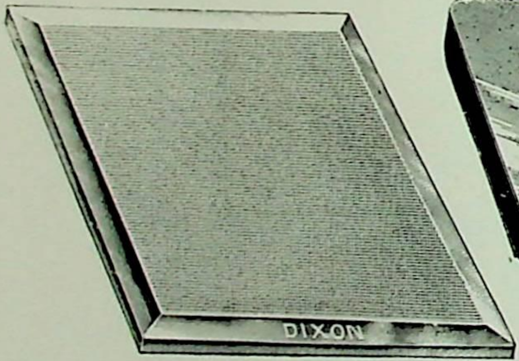


Fig. 9279 (No. 4)

GLASS MIXING TABLET

Beveled edges. One side polished, the other ground to prevent slipping when mixing.

Size: 3⅛" x 3⅛" x ¼"

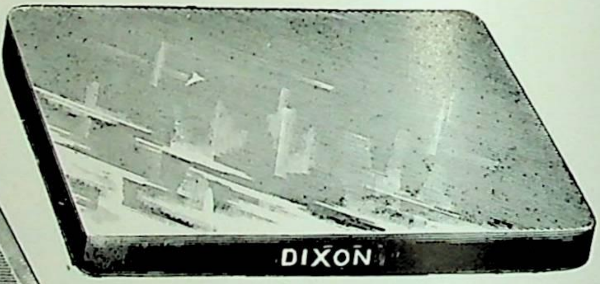


Fig. 9278

GLASS MIXING TABLET

Ground on one side and polished on the other. The edges are rounded.

No.	1	Size	2½"	x 3½"	x ¼"
"	1½	"	2½"	x 4"	x 5/16"
"	2	"	3"	x 3½"	x ⅜"
"	3	"	4"	x 4"	x ⅜"
"	4	"	4"	x 4"	x ½"

MORTARS AND PESTLES

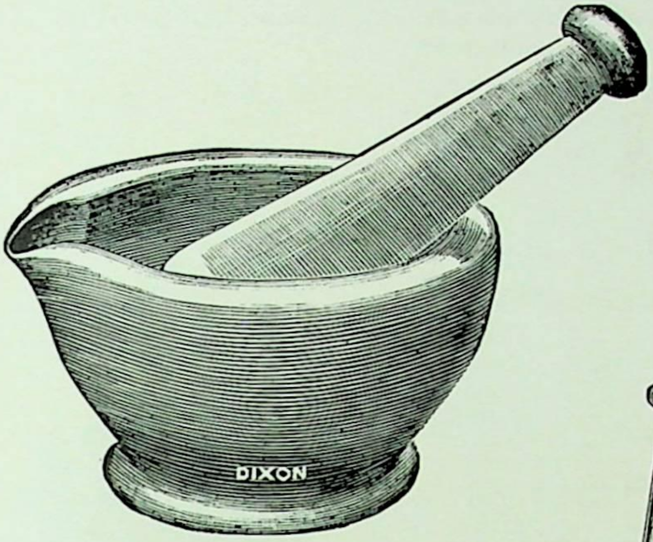


Fig. 9280

WEDGEWOOD MORTAR AND PESTLE

2⅜″ Diam. x 1¼″ High

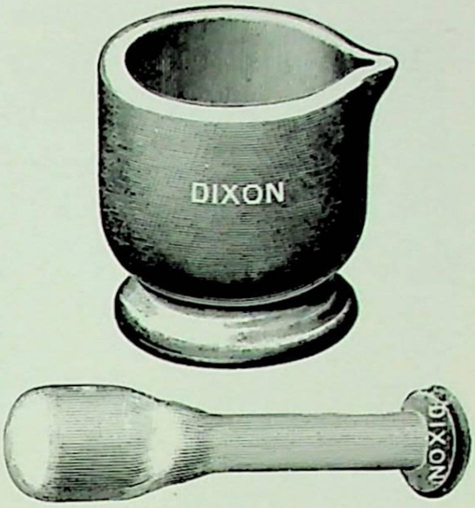


Fig. 9281 (No. 3)

OPAL MORTAR AND PESTLE

1⅜″ Diam. x 1¼″ High

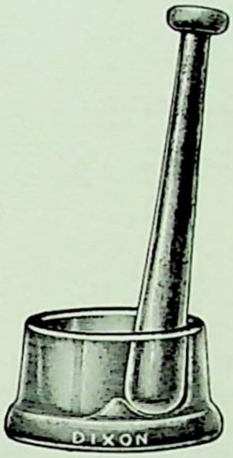


Fig. 9282 (No. 8)

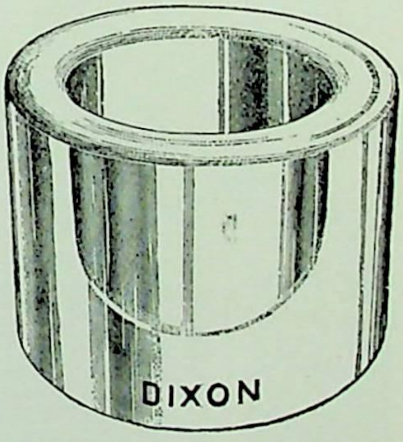
GLASS MORTAR AND PESTLE

Both pieces accurately ground hard glass, etched to provide perfect grinding surfaces. Mortar, Diam. at Base 2⅛″ x 1¼″ High. Pestle, 5″ Long.

Fig. 9283

"FLETCHER" PATTERN GLASS MORTAR AND PESTLE

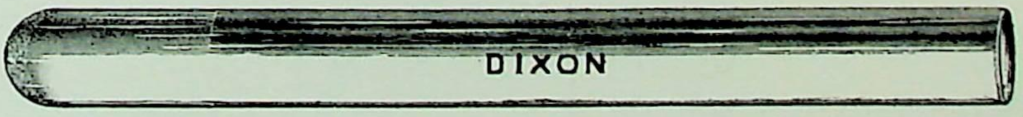
Boxed Individually



Made of glass, ground inside and on end of pestle.

1¾″ Outside Diameter

1½″ High



The Pestle is 4½″ long and frosted half its length.

BOTTLES

The necks, caps, also stoppers of these bottles are perfectly ground and fitted to prevent loss by evaporation.

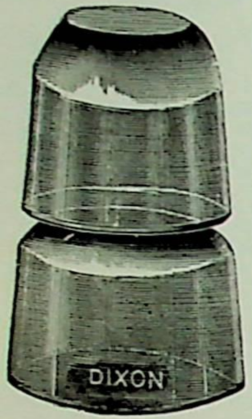


Fig. 9287 (No. 6)

PREPARATION BOTTLE

Made in Flint, Blue, Amber or Green Glass
Packed 12 in a carton.

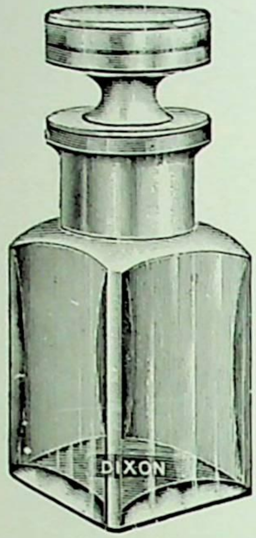


Fig. 9285

MEDICINE BOTTLES

Flint or Clear Glass
Packed 12 in a carton.

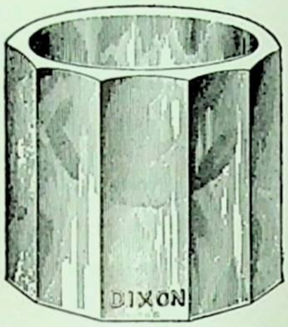


Fig. 9286

DR. DAPPEN'S GLASS CUPS

Made in Flint, Amber, Pink, Light Green and Light Blue Glass

No. 1

Ground and Polished
Packed 12 in a carton.
Boxed individually.

No. 2

Plain Finish
Packed 12 in a carton.

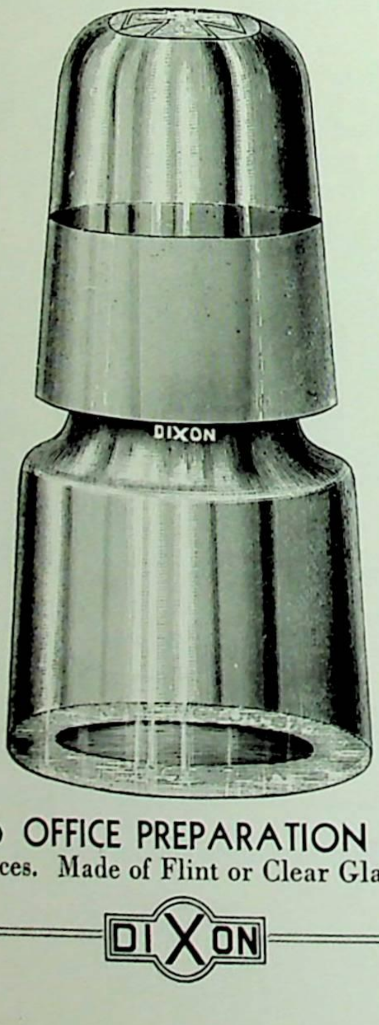
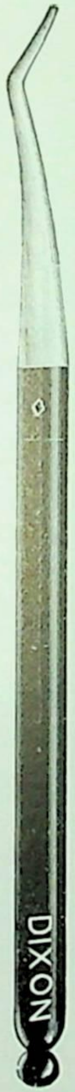


Fig. 9284 (No. 4) **OFFICE PREPARATION BOTTLE**

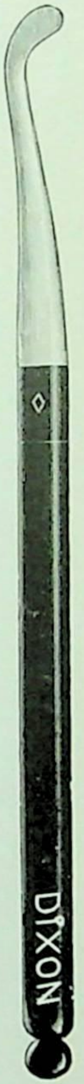
Capacity, about 1½ ounces. Made of Flint or Clear Glass. Packed 12 in a carton.

IVORY INSTRUMENTS AND BONE SPATULAS

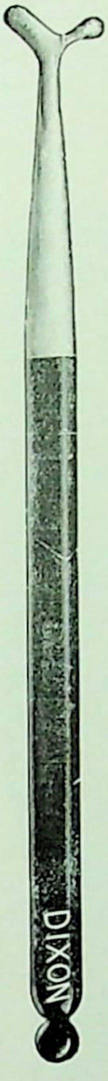
Fig. 9297



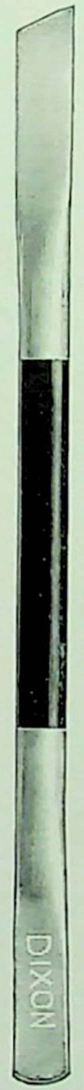
No. 10
Bayonet



No. 11
Sabre



No. 12
Hatchet



No. 13
Contouring

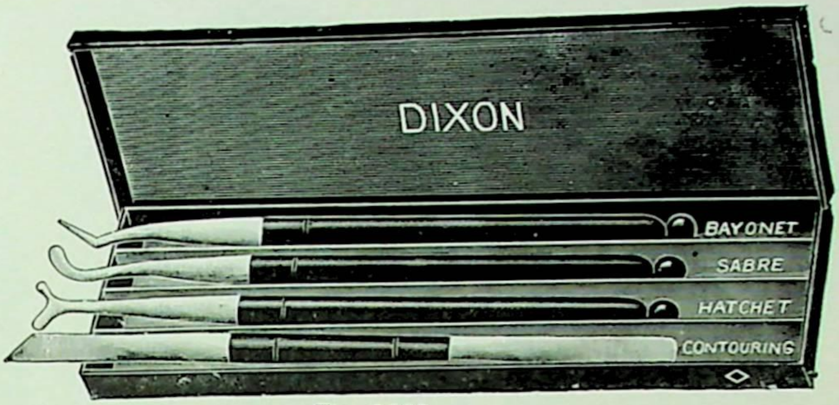


Fig. 9299

IVORY INSTRUMENTS

Complete set in box.

Fig. 9297

IVORY INSTRUMENTS

Sold Singly

Nos. 10, 11, 12 and 13 Ivory Instruments are the same as shown in set, Fig. 9299.

Fig. 9304

SMALL SIZE BONE SPATULAS

Made of selected bone, nicely finished.

Fig. 9305

LARGE SIZE BONE SPATULAS

Made of selected bone, nicely finished.

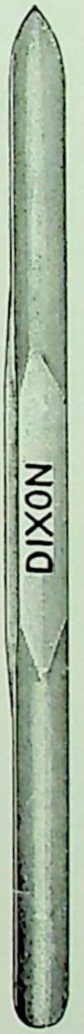


Fig. 9304

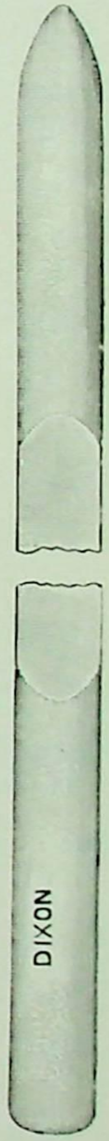


Fig. 9305

SPATULAS

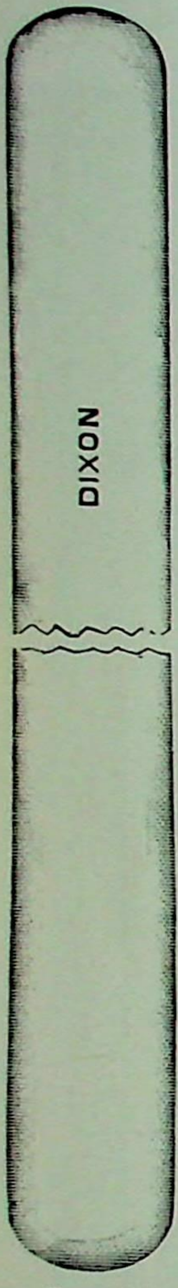


Fig. 9306

BONE FOIL KNIFE

7" Long x 1" Wide Smooth and highly polished. Edges are rounded.

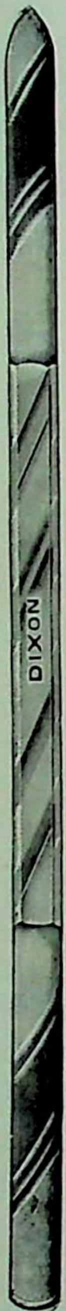


Fig. 9307

No. 100 ALL AGATE SPATULA

Made of selected quality agate. One end is pointed, the other rounded.

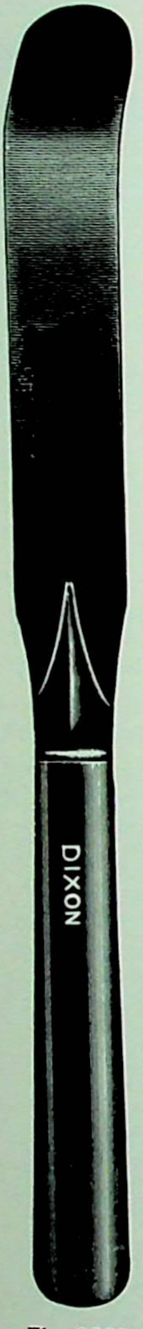


Fig. 9309

CURVED RUBBER SPATULA

Does not crack your bowl. Soft and pliable. Plaster is easily cleaned off. Length blade, 4".

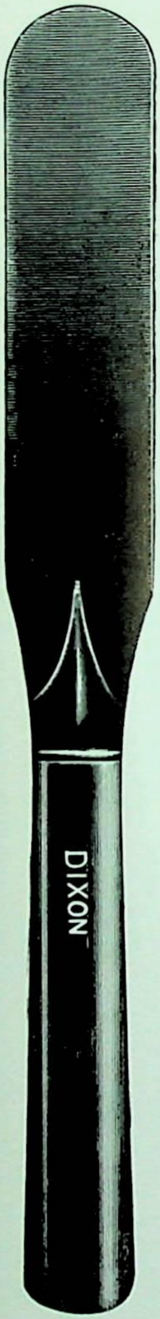


Fig. 9310

HARD RUBBER SPATULAS

(Straight)
Made in Two Sizes:
Length of Blades, 4" and 6".

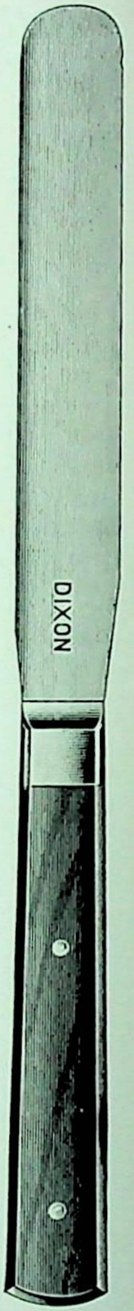


Fig. A 9310

STEEL SPATULA and Foil Knife

Blade length, 4" One side is a straight edge, slightly rounded for cutting foil.

SPATULAS

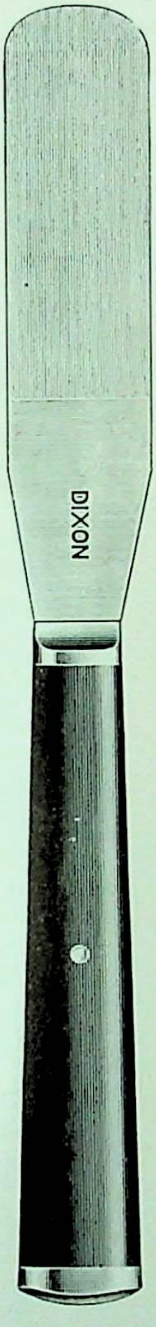


Fig. 9312

STEEL BLADE SPATULA

Very heavy and strong. Length of blade, 3½".

Fig. 9311

Same as Fig. 9312. With blade 2½" long, ebony handle, reinforced at both ends.

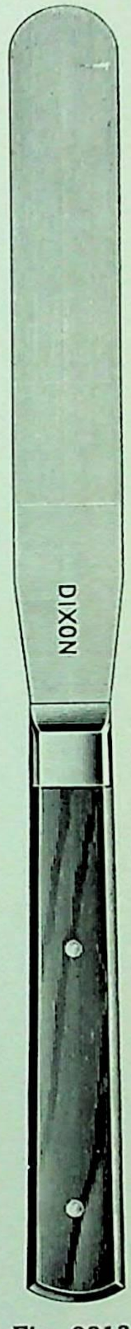


Fig. 9313

STEEL BLADE SPATULA

"Regular"

Rosewood handle, well finished.

Made in Four Sizes:
3" Length of Blade
4" " " "
5" " " "
6" " " "

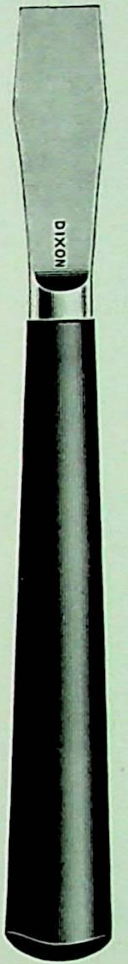


Fig. A 9312

STEEL PALETTE KNIFE

1½" Blade
Ebony Handle

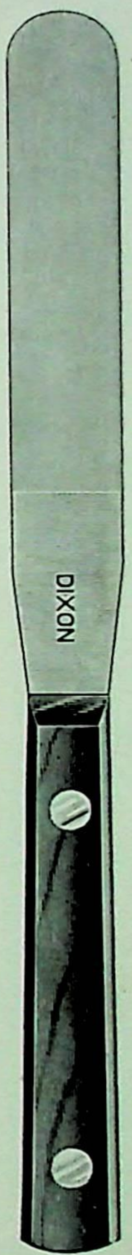


Fig. A 9313

STAINLESS STEEL SPATULAS

Genuine Stainless Steel Blade made with half tang securely fitted into Solid Rosewood Handle with high wax finish. Blade secured to Handle with two Nickel Silver Lock Rivets. Highly polished blade.

Made in Four Sizes:
3" Length of Blade
4" " " "
5" " " "
6" " " "

HIGHEST QUALITY SPATULAS AND KNIVES

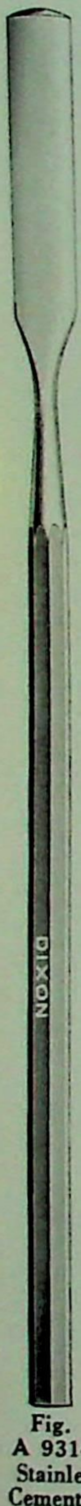


Fig.
A 9314
Stainless Steel
Cement Spatula

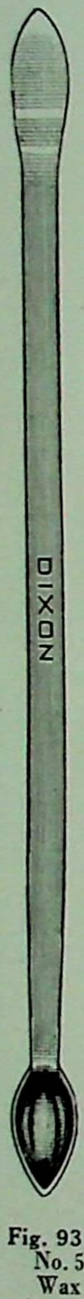


Fig. 9314
No. 5
Wax
Spatula

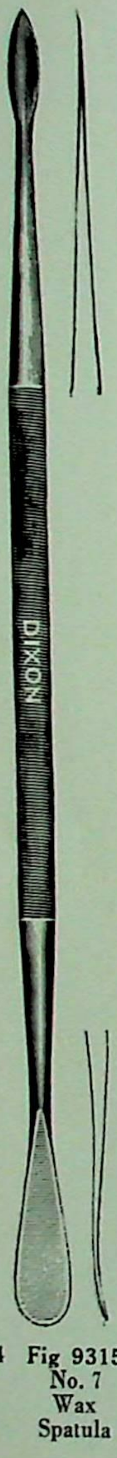


Fig 9315
No. 7
Wax
Spatula

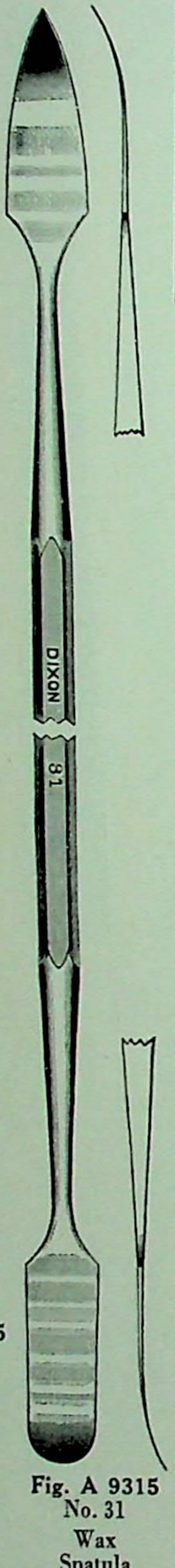


Fig. A 9315
No. 31
Wax
Spatula

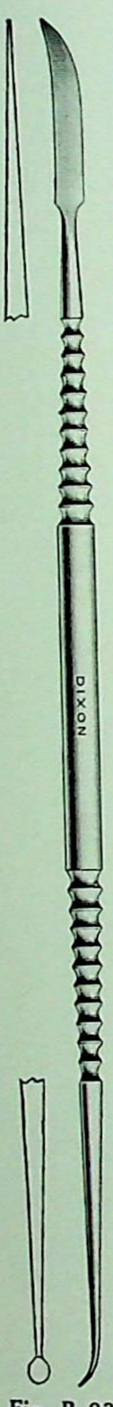


Fig. B 9315
No. 5
Lecron
Porcelain
Inlay
Carver

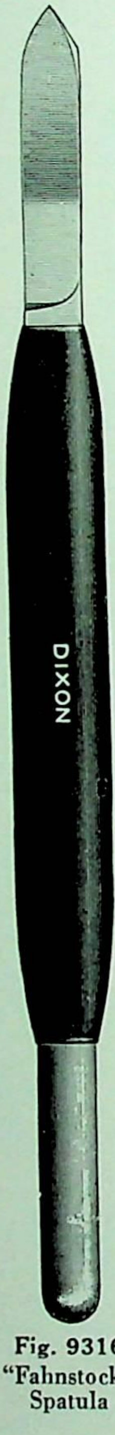


Fig. 9316
"Fahnstock"
Spatula

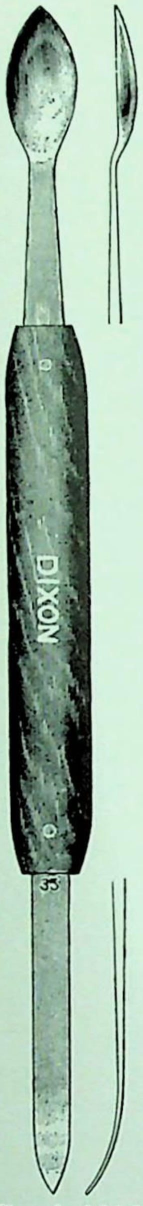


Fig. A 9316
No. 35
Wax
Spatula
Ebony
Handle
4" Long

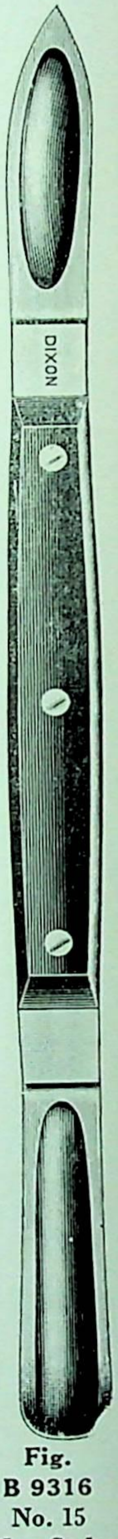


Fig.
B 9316
No. 15
New Style
"Fahnstock"
Spatula

OFFICE AND LABORATORY KNIVES

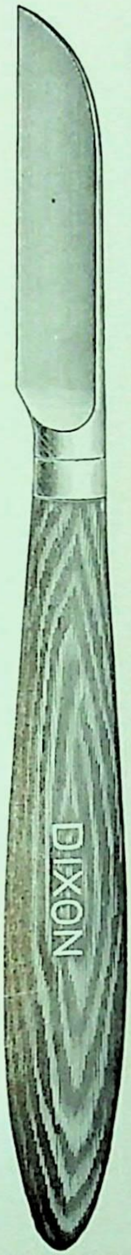


Fig. 9317
(No. 5)

OFFICE and LABORATORY KNIFE

Length Blade 2″
Total Length of Knife 6″
Heavy shoulder, has great rigidity.

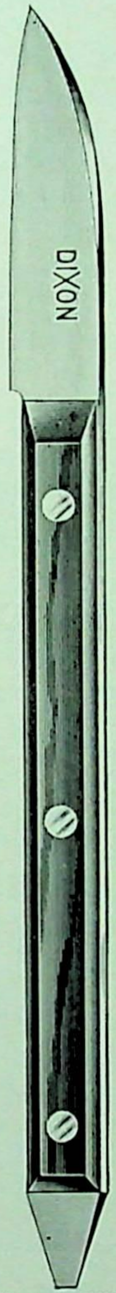


Fig. A 9317

Dr. HURD'S PLASTER KNIFE

Rosewood Handle
Length of Blade 1⅞″
Length Overall 6″

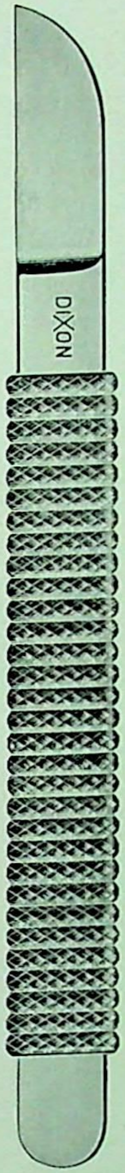


Fig. A 9318

Cord Handle LABORATORY KNIFE

Length Overall 5½″
Width ⅞″

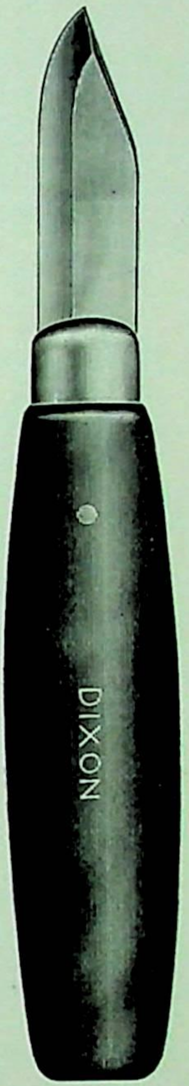


Fig. 9319 (No. 6)

LABORATORY KNIFE

Black Rubberoid Handle.
Length of Blade 1⅝″
Total Length 5⅜″

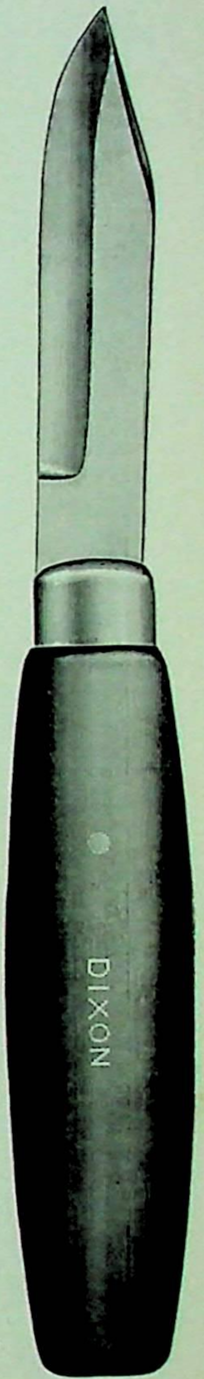
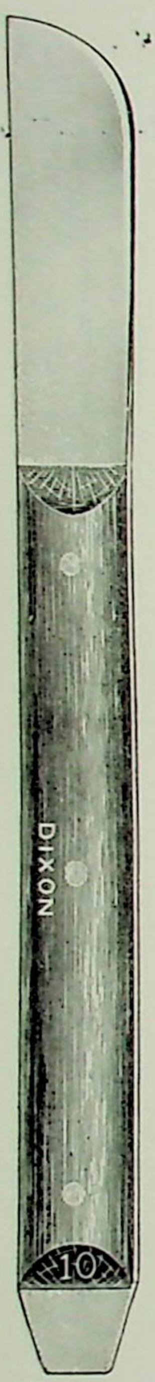


Fig. 9322
(No. 20)

LABORATORY KNIFE

Black Rubberoid Handle.
Length of Blade 2½″
Total Length of Knife 6¼″

LABORATORY KNIVES AND BELTING



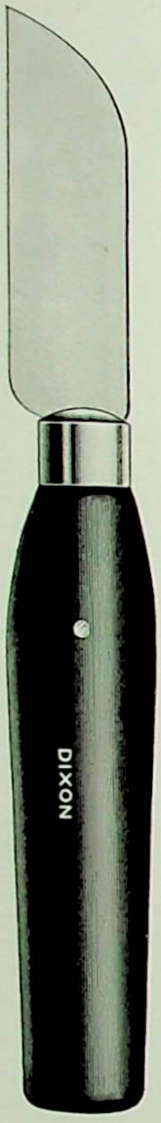
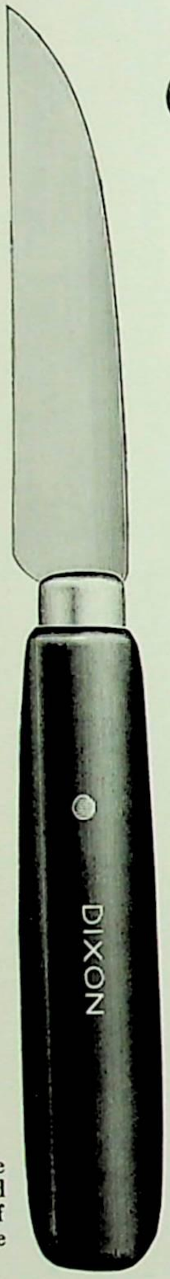


Fig. 9320

(No. 4)

Made of high grade steel. Rubberoid handle. Length of blade, 2⅜″. Knife overall, 6½″.



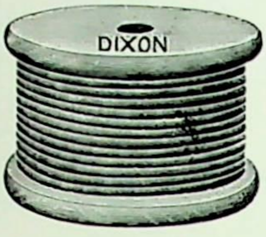


Fig. 9326

SOLID ROUND LEATHER BELTING

Put up in neat spools containing 100 feet. Size, 3/16″ diameter.

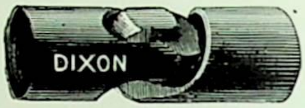


Fig. 9327

ROUND BELT COUPLINGS

Size, 3/16″

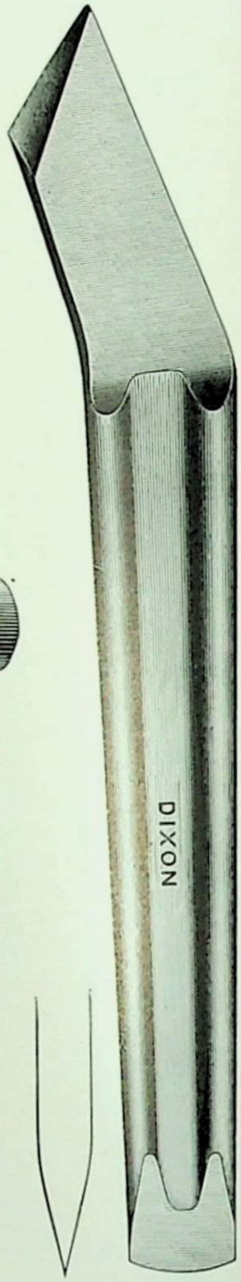


Fig. 9318 (No. 10)

PLASTER KNIFE

Designed by Dr. A. Dewitt Gritman

The blade of this Knife is made of tool steel and extends through the handle with chisel end for opening flasks.

Fig. A 9321 (No. 12)

STAINLESS STEEL KNIFE

Will not corrode, stain or rust, and can be sterilized. Has black rubberoid handle. Length of blade, 3″. Knife over all, 6½″.

Fig. 9321 (No. 8)

Same Knife, *not* stainless.

Fig. 9324 (No. 15)

PLASTER KNIFE

Designed by
Prof. N. S. Hoff

Made of one solid piece of tool steel, carefully tempered and nickel-plated throughout.

ENGINE BELTS

PATENT OFFICE
MAY 27 1948
DESIGN DIVISION

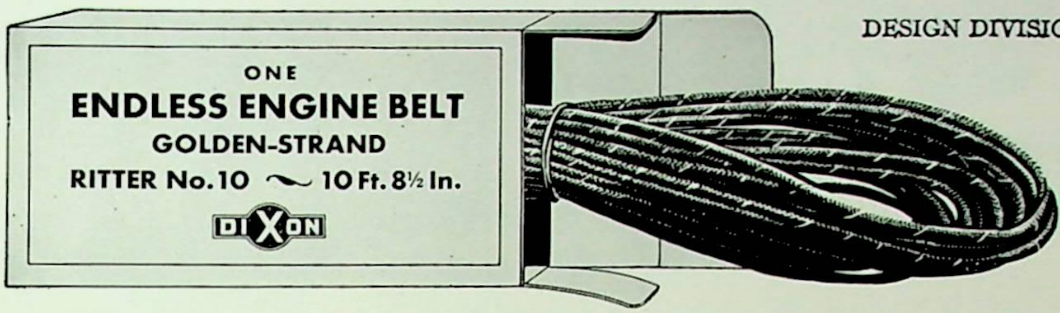


Fig. 9328

"GOLDEN STRAND" ENGINE BELTS

The Best Engine Belts Made—Woven Endless

For Electro Dental Electric Engines

	Stock No.	Ft.	In.
No. 5 or 55, All Cord Short Arm	E.D.55	7	3
No. 5 or 55, SSW Belt Arm	E.D.45	8	8
No. 5 or 55, SSW Doriot Arm	E.D.51	9	8
No. 5 or 55 SSW Cable Arm	E.D.50	1	4
No. 7 or 45, Arm	E.D.45	8	6
Register No. 1 or 11, All Cord Arm	E.D.10	14	
Register No. 2 or 22, Cord Cable Arm	E.D.20	9	8
Old Style Cable Engine	E.D.50	1	4

For Harvard Electric Engines

	Stock No.	Ft.	In.
No. 28 All Cord Latest Type	907	9	7
No. 45 All Cord	606½	6	6½

For Ritter Electric Engines

	Stock No.	Ft.	In.
Unit Equipment, All Cord	R.10	10	8½
Unit Equipment, Cable Type	R.11	5	4
Tri-Dent All Cord	R.10	10	8½
Tri-Dent Cable Type Folding Bracket, Model C, All Cord	R.11	5	4
Folding Bracket, Model C, All Cord	R.10	10	8½
Folding Bracket, Model C, Belt Cable, Driven Type	R.11	5	4
Suspended All Cord Arm	R.9	5	9
Wall Type All Cord Arm (new style)	R.8	14	2
Wall Type All Cord Arm (old style)	R.7	12	

For Cleve-Dent Engine

	Stock No.	Ft.	In.
Cable and Cord Engine	807	8	7

For Weber Electric Engines

	Stock No.	Ft.	In.
All Cord	908	9	8

For S. S. White Equipment Units 3 and 5

	Stock No.	Ft.	In.
Belt Arm (old style)	910	9	10
Belt Arm No. 5 (with pulley away from operator)	901	9	1
Belt Arm No. 5 (with pulley toward operator)	804	8	4
Same with Ritter Suspended Elbow Arm	1006	10	6
Triple Section Arm	806	8	6

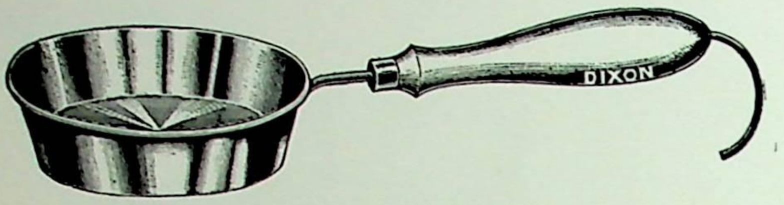
For S. S. White Electric Engines

	Stock No.	Ft.	In.
Folding Bracket Belt Arm (old style)	811	8	11
Folding Bracket Belt Arm, No. 5	804	8	4
Same with Ritter Suspended Elbow Arm	1006	10	6
Folding Bracket, Cable Arm	202	2	2
Folding Bracket Triple Section Arm	910	9	10
No. 3 Wall Bracket All Cord Arm	1002	10	2
No. 3 Wall Bracket Cable Arm	109	1	9
No. 2 Motor Stand, Doriot Arm	1511	15	11
Swivel Bracket, All Cord Arm	1305	13	5
Swivel Bracket, Cable Arm	901	9	1
S. S. W. Equipment, Stand No. 3	910	9	10

For S. S. White Foot Engines

	Stock No.	Ft.	In.
Belt, Belt Arm	1506	15	6
Belt, Belt Arm (old style)	1604	16	4
Belt, Triple Section Arm	1800	18	
Belt Hastings Attachment	1703	17	3
Cable	809	8	9
Cord	1503	15	3
Doriot	1607¼	16	7¼
E and J	802	8	2
F, G, K and L	807	8	7
H and M	811	8	11
Weber Perry	1504	15	4
Weber Perry, Doriot Arm	1800	18	
Weber Perry, Hastings Attachment	1800	18	
SSW Small Foot Engine	801½	8	1½
SSW Medium	805½	8	5½
SSW Large Foot Engine	808⅜	8	8⅜

COPPER LADLES



This Pan Is Fitted With a Rest

Fig. 9329

No. 5 Diam. Bowl, 3″; Depth, 1⅛″ No. 6 Diam. Bowl, 4″; Depth, 1⅛″

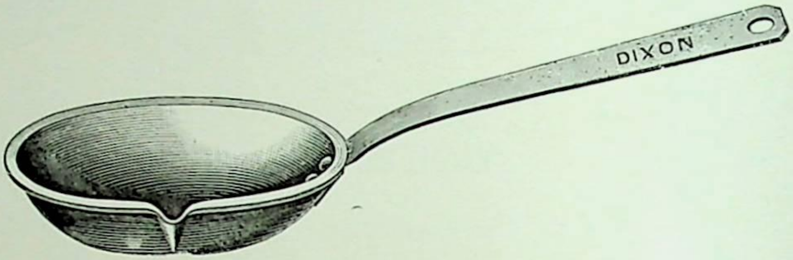


Fig. 9331

Diameter Bowl, 3⅛″; Depth, ⅝″; Extreme Length, 7″

Has a Brass Handle

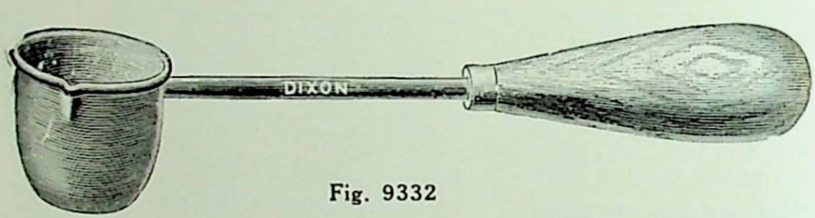


Fig. 9332

Diameter Bowl, 1½″; Depth, 1¼″; Extreme Length, 8″

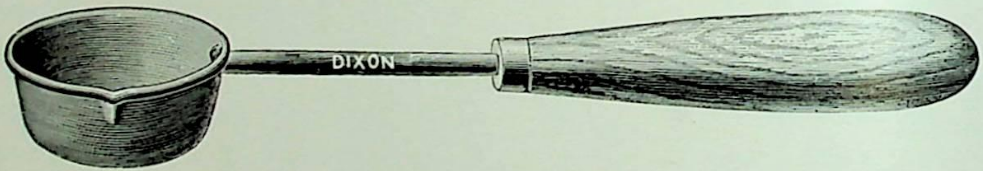


Fig. 9333

Diameter Bowl, 2″; Depth, ⅞″; Extreme Length, 8 ¼″

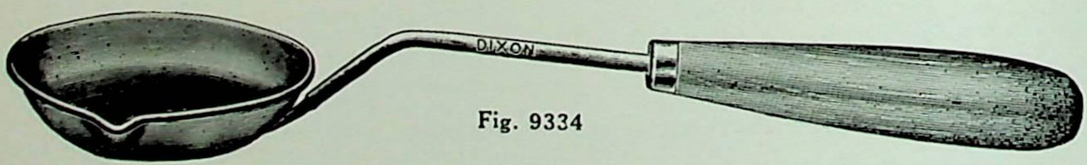
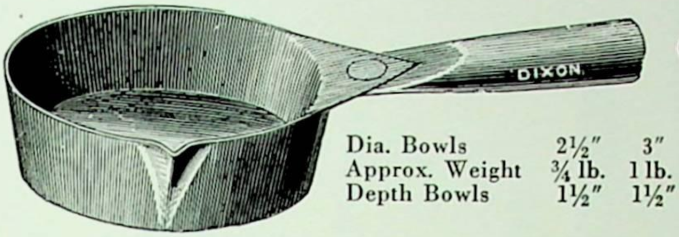


Fig. 9334

Diameter Bowl, 3⅛″; Depth, ⅝″; Extreme Length, 9½″

ACID PAN AND MELTING LADLES



COPPER ACID PAN

Dia. Bowls	2½″	3″	3½″	4″
Approx. Weight	¾ lb.	1 lb.	1¼ lbs.	1½ lbs.
Depth Bowls	1½″	1½″	1½″	2″

Fig. 9335

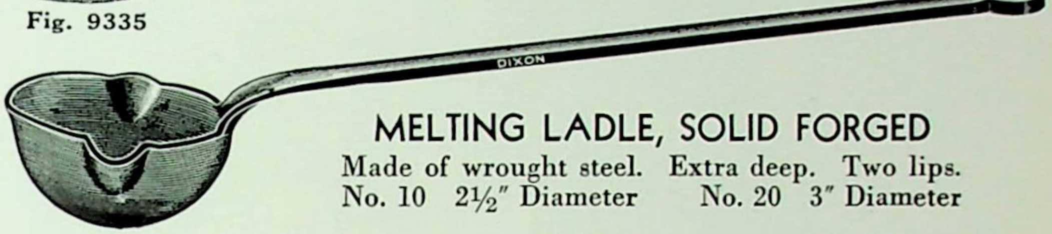


Fig. 9336

MELTING LADLE, SOLID FORGED

Made of wrought steel. Extra deep. Two lips.
No. 10 2½″ Diameter No. 20 3″ Diameter

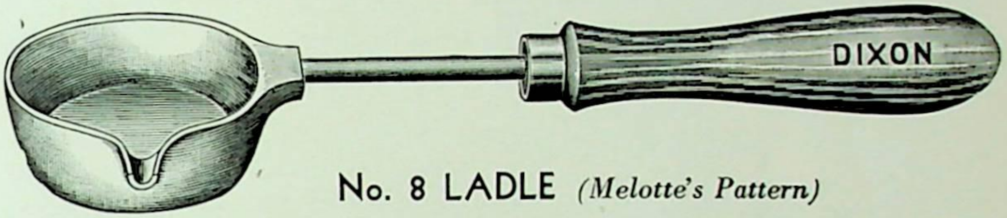


Fig. 9340

No. 8 LADLE *(Melotte's Pattern)*

Diameter of Bowl, 2″ Depth of Bowl, ¾″ Extreme Length, 8¼″
Iron bowl fastened to wire rod and fitted to a whitewood handle.

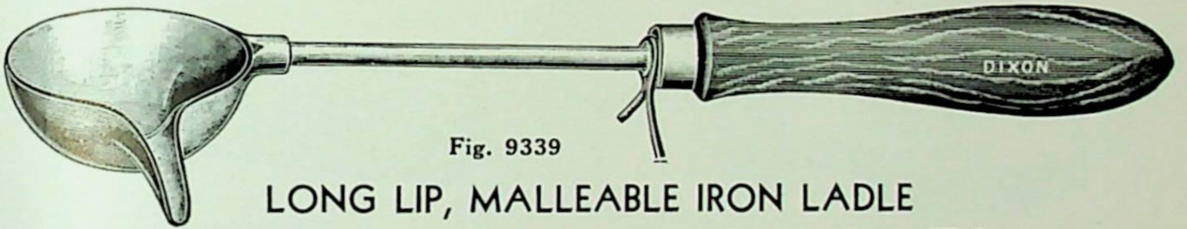


Fig. 9339

LONG LIP, MALLEABLE IRON LADLE

Diameter Bowl, 2″. Depth Bowl, 1⅛″. Extreme Length, 11¼″. With wire rest.

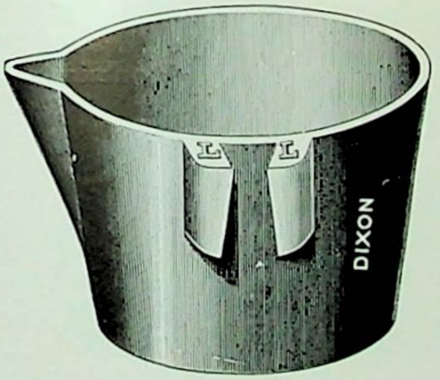


Fig. 9341 "Lead"

LADLES

WITH
DETACHABLE
HANDLE
for
LEAD and ZINC

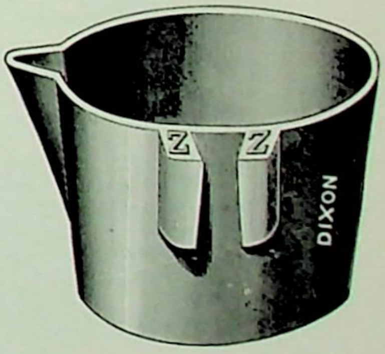


Fig. 9342 "Zinc"

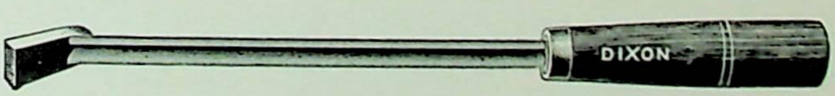


Fig. 9343 "Handle"

DENTAL LATHE CHUCKS AND SELECTED WOOD

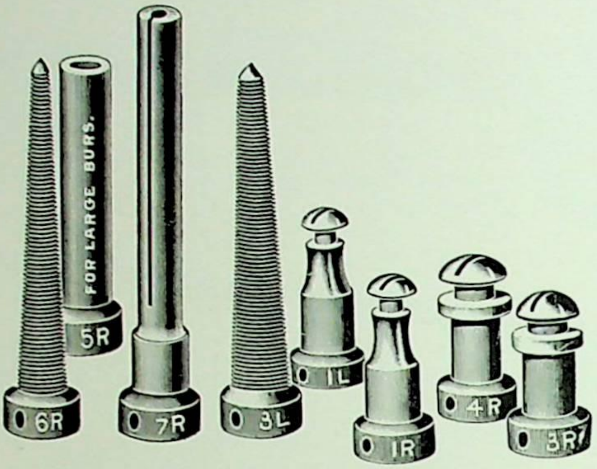


Fig. 9344 **DENTAL LATHE CHUCKS**

For Redmond Lathe

Nos. 1R and 1L	For Wheels ⅛″ Thick
Nos. 2R and 2L	“ “ ¼″ “
No. 3R	“ “ 5/16″ “
No. 3L	Tapered Chuck
No. 4R	For Wheels ⅜″ Thick
No. 5R	For Large Burs
No. 6R	Tapered Chuck
No. 7R	Sand Paper Chuck

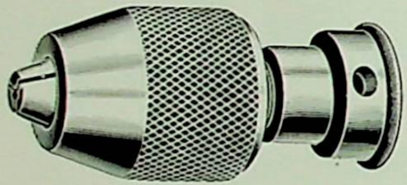


Fig. 9345

STEEL BUR CHUCK

For Redmond Lathe

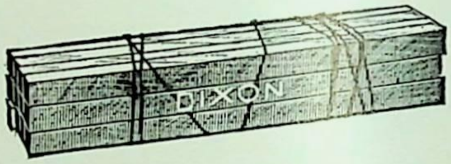


Fig. 9346

COTTON WOOD

Made in sticks ¼″ square by 8″ long, and put up in bundles as shown. Each bundle contains 12 sticks.

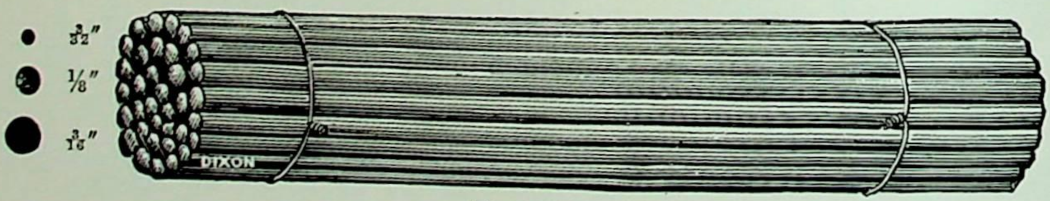


Fig. 9347

SELECTED ORANGE WOOD

Small Size	*Medium Size*	*Large Size*
3/32″ x 5¾″	⅛″ x 5¾″	3/16″ x 7″

Each bundle contains about 25 sticks. Dimensions are approximate.

HAND ROLLING MILLS

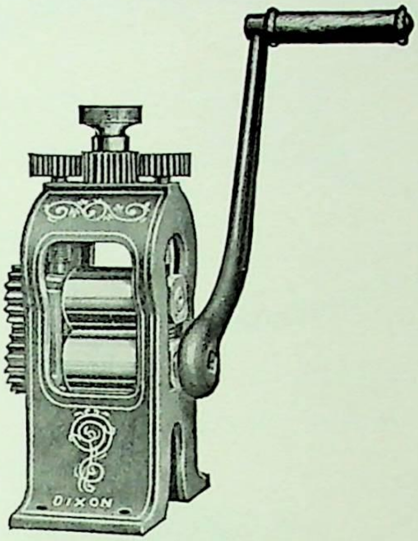


Fig. 9350

HAND ROLLING MILL

A—Flat Mill, Complete
B—Extra Flat Roll, Upper
C—Extra Flat Roll, Lower
D—Extra Frame
E—Extra Handle
Size Rolls, 2″ Diam. x 3″ Long

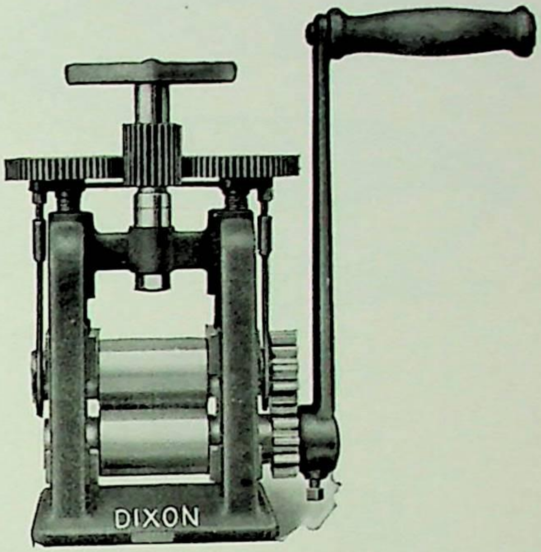


Fig. 9351

HAND ROLLING MILL

A—Flat Mill, Complete
B—Extra Flat Rolls with Gears
C—Rolling Mill and Column, Complete
Rolls, 2″ Diam. x 3″ Long

All of these rolls are carefully hardened and accurately ground. They are finished to highly polished surfaces.

* * *

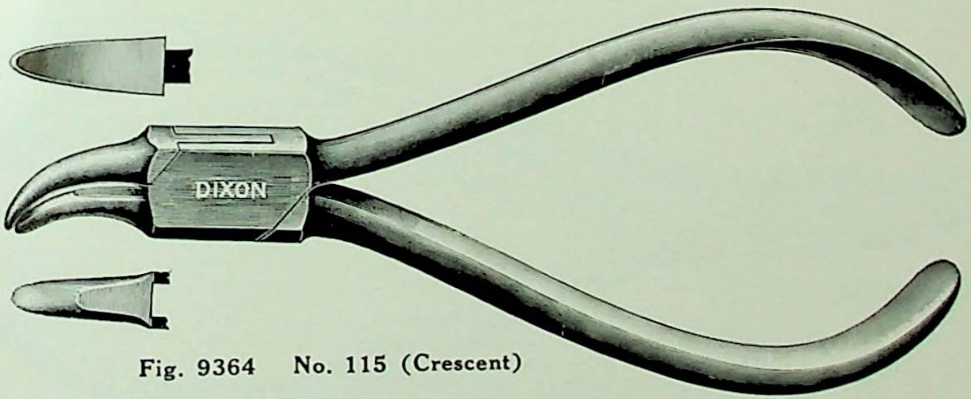


Fig. 9364 No. 115 (Crescent)

CONTOURING PLIERS *Designed by Dr. C. J. Reynolds*

A Quality, Domestic B Quality, Imported

Note: "B" Quality supplied unless otherwise specified.

CONTOURING AND COLLAR PLIERS

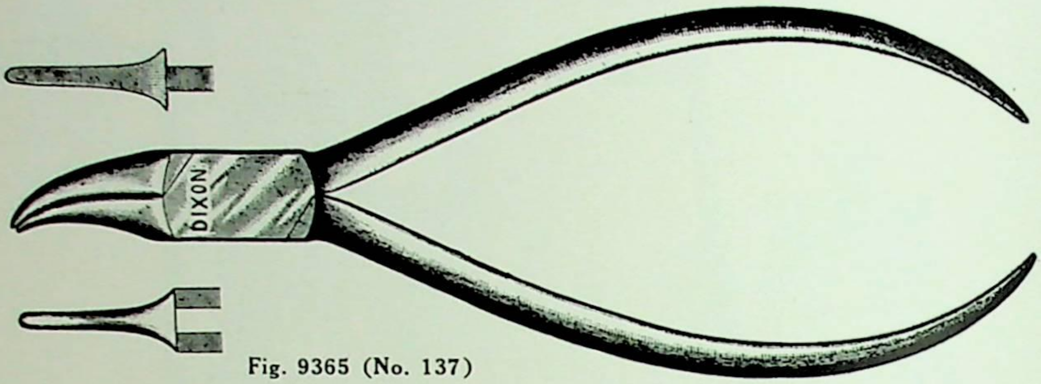


Fig. 9365 (No. 137)

CONTOURING PLIERS *Designed by Dr. J. D. Gordon*

A Quality, Domestic B Quality, Imported

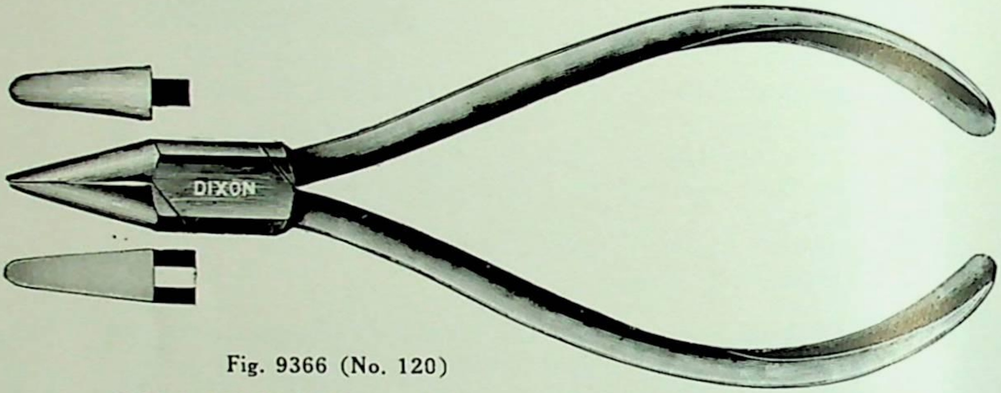


Fig. 9366 (No. 120)

COLLAR PLIERS *Design of Dr. C. L. Robinson*

A Quality, Domestic B Quality, Imported

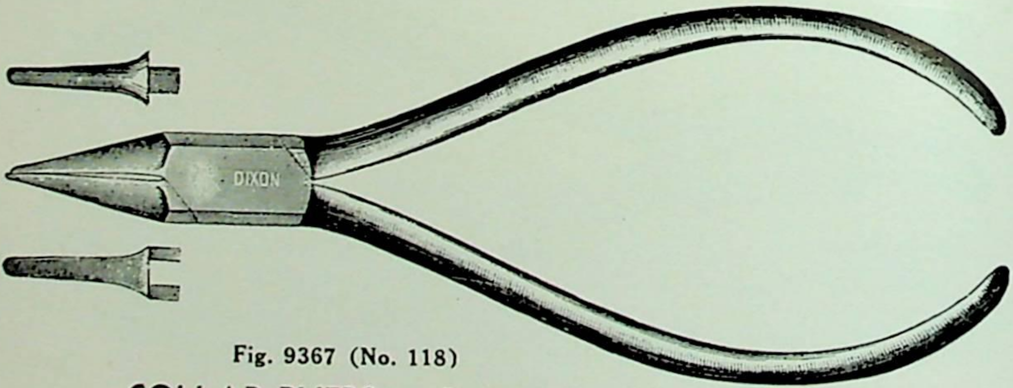


Fig. 9367 (No. 118)

COLLAR PLIERS *Design of Dr. F. A. Peeso*

A Quality, Domestic B Quality, Imported

Note: "B" Quality supplied unless otherwise specified.

CONTOURING AND LABORATORY PLIERS

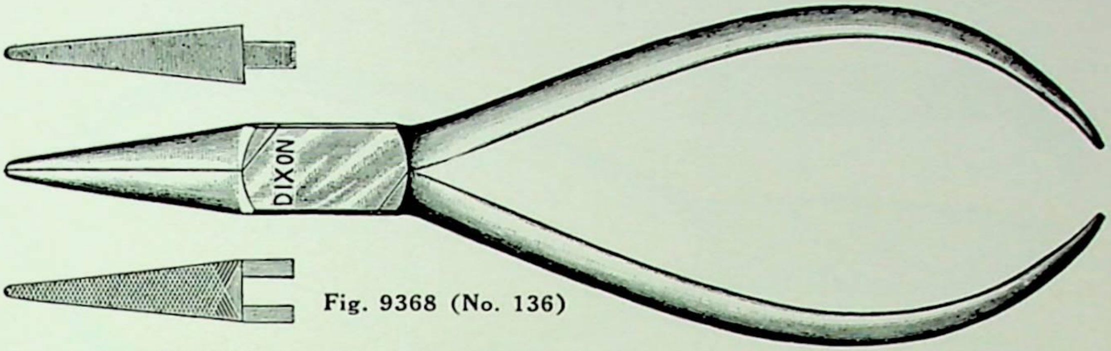


Fig. 9368 (No. 136)

CONTOURING PLIERS *Designed by Dr. H. J. Goslee*

A Quality, Domestic B Quality, Imported

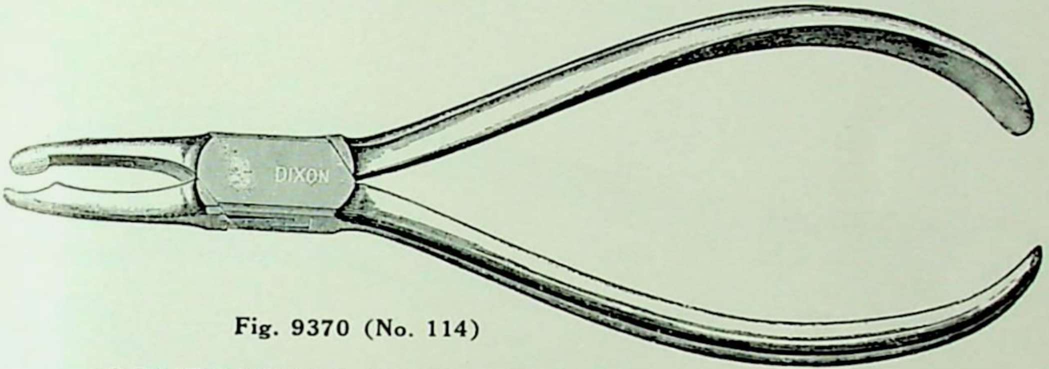
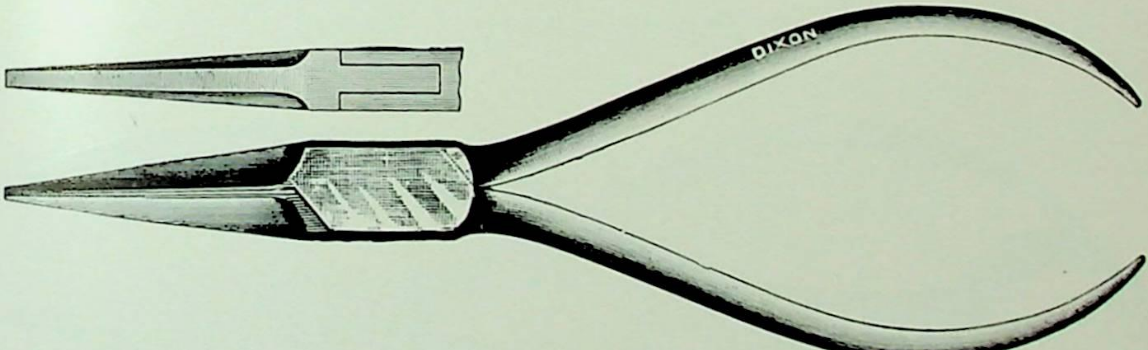


Fig. 9370 (No. 114)

CONTOURING PLIER *Designed by Dr. H. H. Johnson*

A Quality, Domestic B Quality, Imported

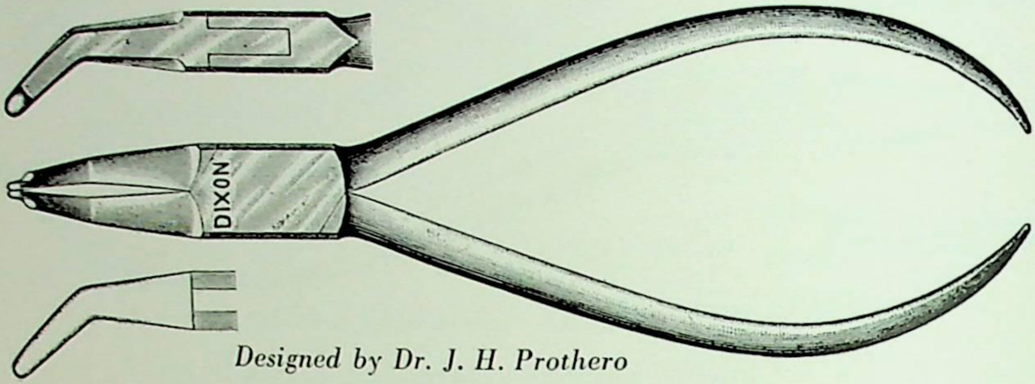


LABORATORY AND OFFICE PLIERS

Fig. 9372, No. 121, Serrated Jaws, A Quality, Domestic
Fig. 9372, No. 121, Serrated Jaws, B Quality, Imported
Fig. 9373, No. 122, Smooth Jaws, A Quality, Domestic
Fig. 9373, No. 122, Smooth Jaws, B Quality, Imported

NOTE: "B" Quality supplied unless otherwise specified.

CONTOURING AND CUSP PLIERS



Designed by Dr. J. H. Prothero

Fig. 9374 (No. 135) CONTOURING PLIERS

A Quality, Domestic B Quality, Imported

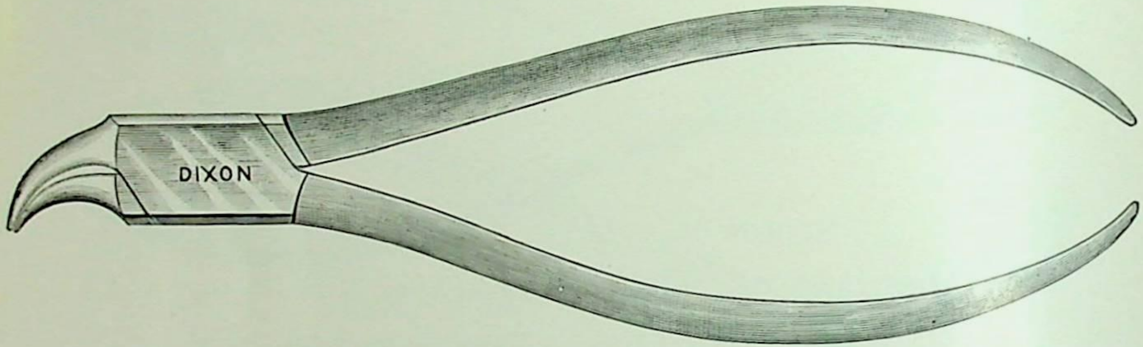


Fig. 9375 (Crescent) CONTOURING PLIERS

A Quality, Domestic B Quality, Imported

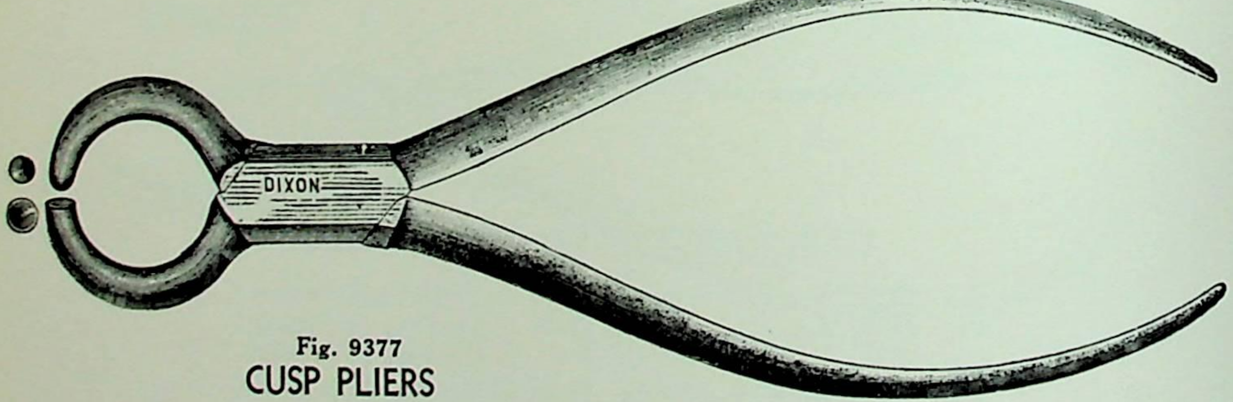


Fig. 9377

CUSP PLIERS

A Quality, Domestic

CONTOURING AND CONE SOCKET PLIERS

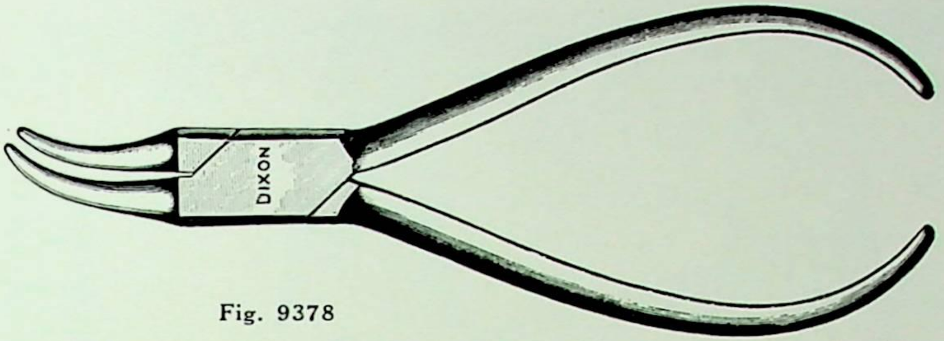


Fig. 9378

CONTOURING PLIERS *(Designed by Dr. H. H. Burchard)*

A Quality, Domestic   B Quality, Imported

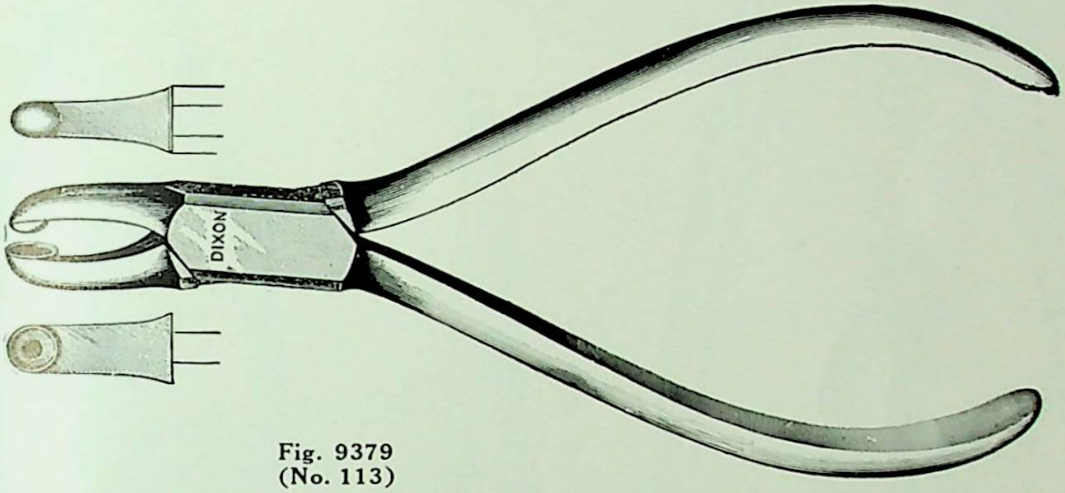


Fig. 9379
(No. 113)

CONTOURING PLIERS *(Designed by Dr. Abell)*

A Quality, Domestic   B Quality, Imported

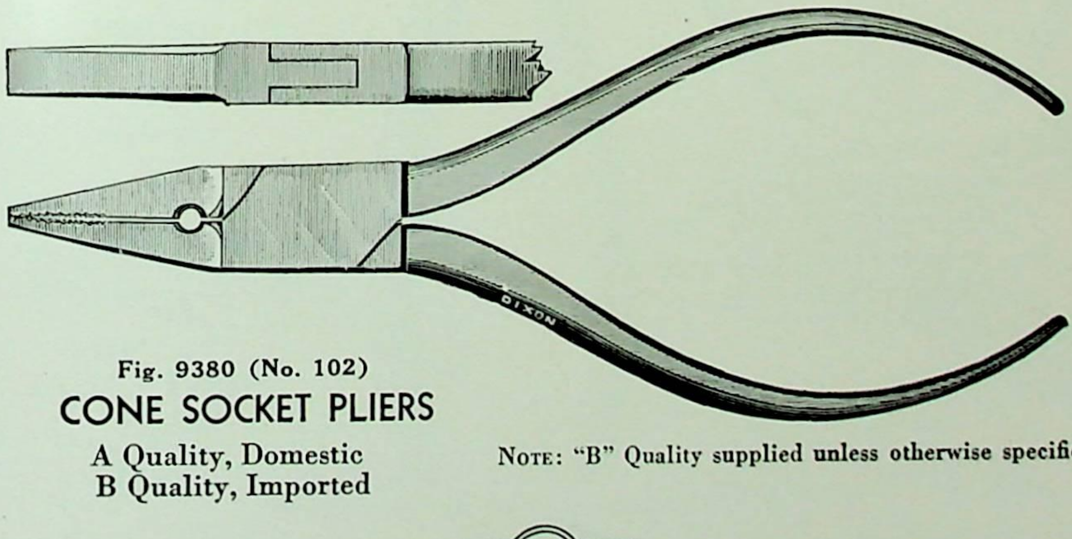


Fig. 9380 (No. 102)

CONE SOCKET PLIERS

A Quality, Domestic
B Quality, Imported

Note: "B" Quality supplied unless otherwise specified.

STRETCHING AND CONTOURING PLIERS
NERVE CANAL PLIERS

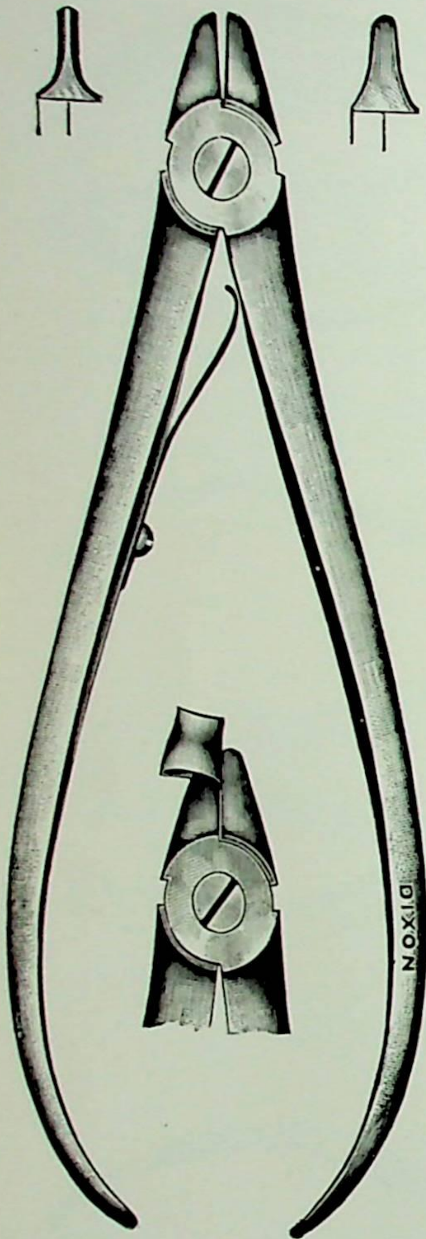


Fig. 9381 (No. 130)

STRETCHING AND CONTOURING PLIERS

Designed by Dr. Fred A. Peeso

"B" Quality, Imported

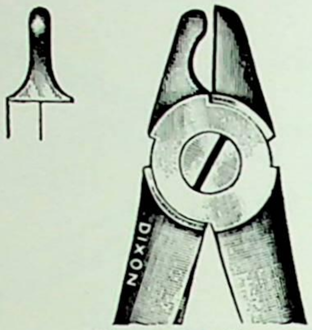


Fig. 9382 (No. 138)

BENSON STRETCHING AND CONTOURING PLIERS ("B" Imported)

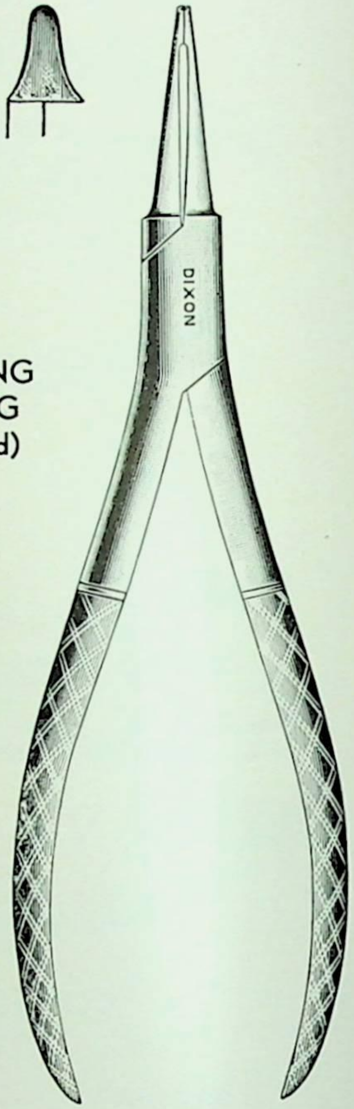


Fig. 9384

NERVE CANAL PLIERS

(Straight)

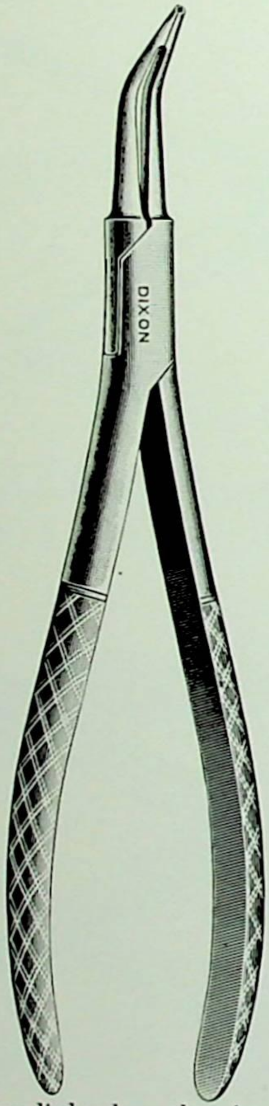


Fig. 9385

NERVE CANAL PLIERS

(Curved)

NOTE: "B" Quality supplied unless otherwise specified.

LABORATORY PLIERS

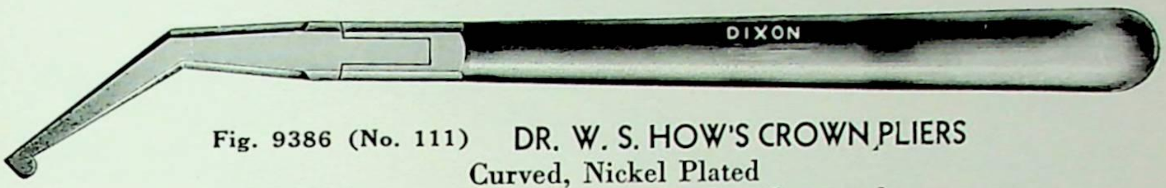


Fig. 9386 (No. 111) DR. W. S. HOW'S CROWN PLIERS
Curved, Nickel Plated
A Quality, Domestic B Quality, Imported

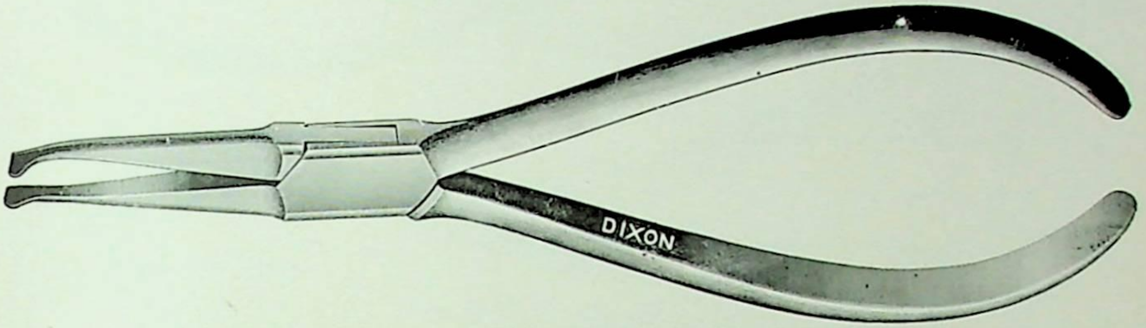


Fig. 9387 (No. 110) DR. W. S. HOW'S CROWN PLIERS
Straight, Nickel Plated
A Quality, Domestic B Quality, Imported

BERNARD'S PATENT OPEN THROAT PARALLEL PLIERS

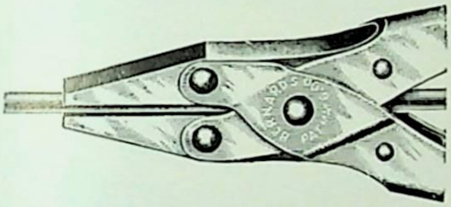


Fig. 9394
"Flat Nose" 5″
Nickel Plated, Light Weight

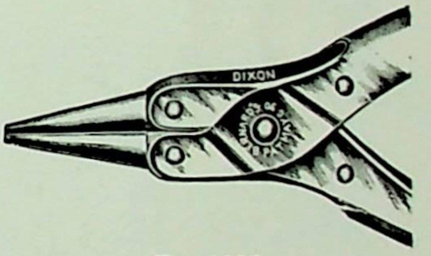


Fig. 9395
"Round Nose" 5″
Nickel Plated, Light Weight

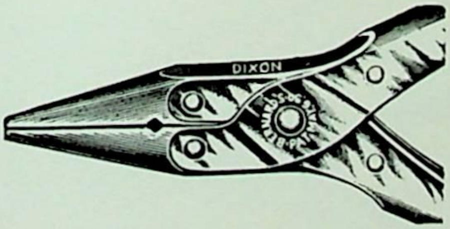


Fig. 9396
"Chain Nose" 5″
Nickel Plated, Light Weight

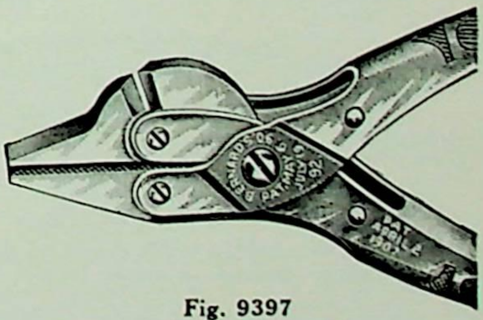


Fig. 9397
Cutting Pliers 5″
Nickel Plated, Light Weight

LABORATORY PLIERS

Length of Pliers, 4½". Illustrations Are Exact Sizes

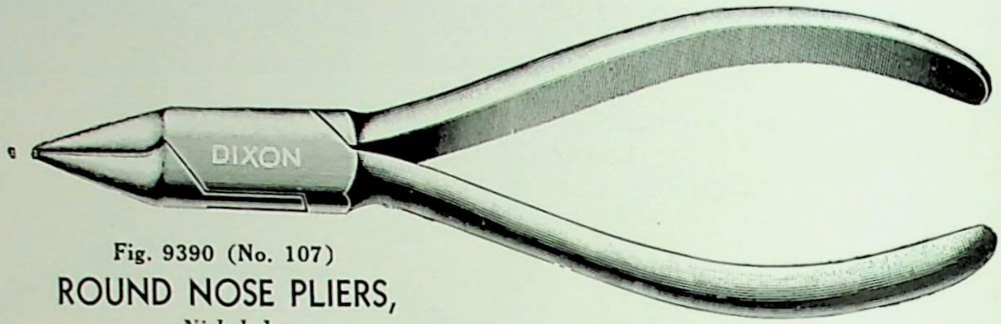


Fig. 9390 (No. 107)

ROUND NOSE PLIERS,

Nickeled

Both jaws round and tapered to a very fine point. Smooth or serrated jaws.

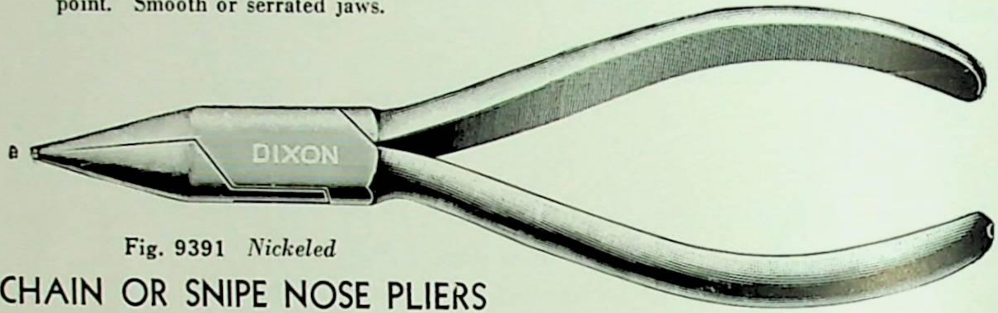


Fig. 9391 *Nickeled*

CHAIN OR SNIPE NOSE PLIERS

Both jaws flat on inside and rounded outside. Tapered to a very fine point. Smooth or serrated jaws.

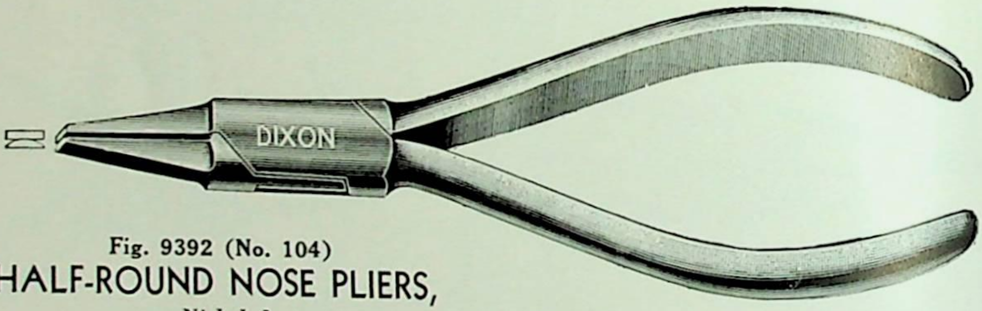


Fig. 9392 (No. 104)

HALF-ROUND NOSE PLIERS,

Nickeled

One jaw half round and other jaw flat; width of illustration. Smooth jaws.

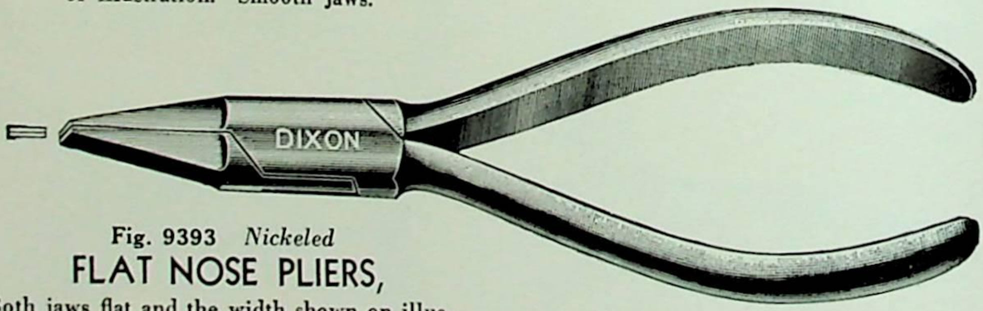


Fig. 9393 *Nickeled*

FLAT NOSE PLIERS,

Both jaws flat and the width shown on illustration. Smooth or serrated jaws.

The Pliers illustrated above have box joints with round corners. The joints work free with no tendency to bind. Highest quality workmanship and finish throughout.

CUTTING NIPPERS AND PLIERS

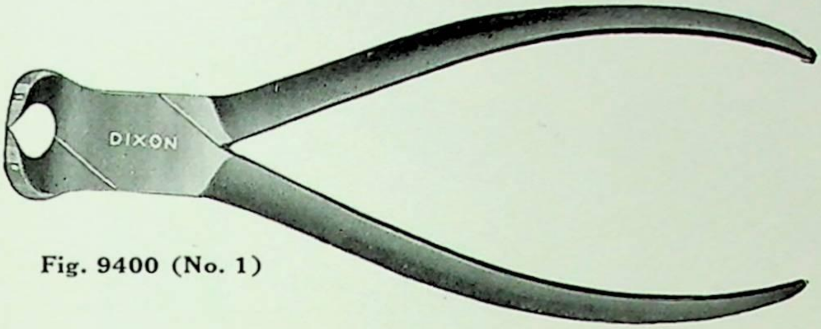


Fig. 9400 (No. 1)

Fig. 9400 (No. 1)

SWEDISH END NIPPERS

Made in three sizes, 4″, 4½″ and 5″. Finish: Bright Polish or Nickel Plated.

Fig. 9401 (No. 3)

SWEDISH SIDE NIPPERS

Made in three sizes, 4″, 4½″ and 5″. Finish: Bright Polish or Nickel Plated.

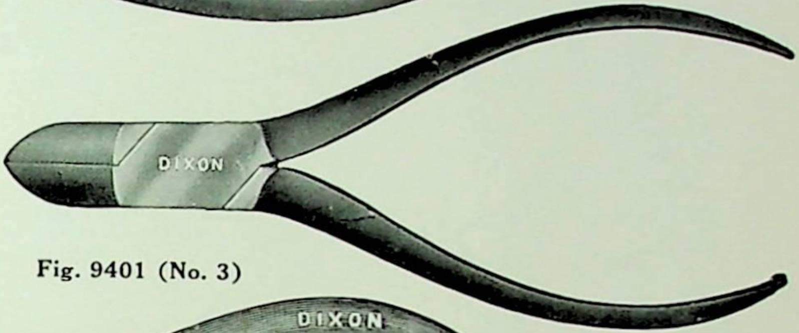


Fig. 9401 (No. 3)

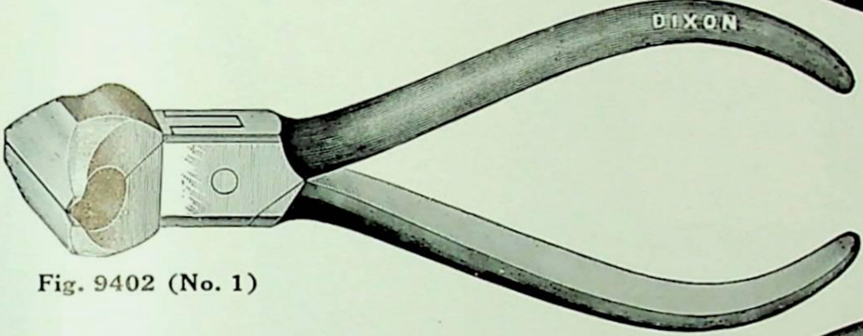


Fig. 9402 (No. 1)

Fig. 9402 (No. 1)

FRENCH END NIPPERS

Made in three sizes, 4″, 4½″ and 5″. Finish: Black or Nickel Plated.

Fig. 9403 (No. 3)

FRENCH SIDE NIPPERS

Made in three sizes, 4″, 4½″ and 5″. Finish: Black or Nickel Plated.

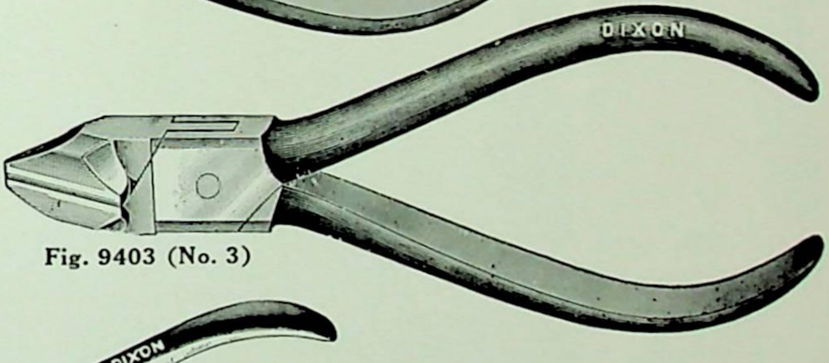


Fig. 9403 (No. 3)

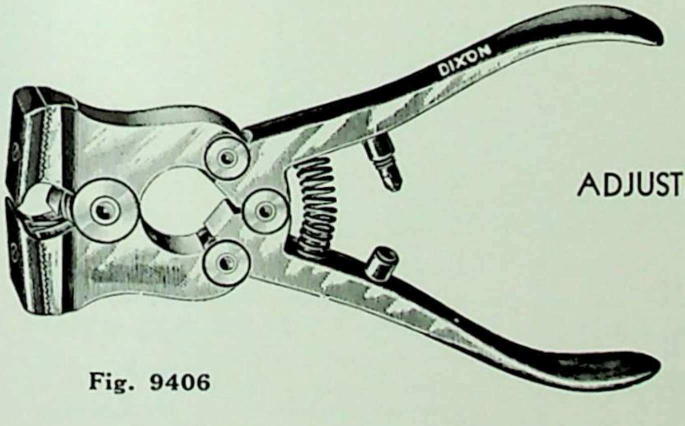


Fig. 9406

Fig. 9406

ADJUSTABLE JAW CUTTING NIPPERS

Made in size 5½″

CUTTING PLIERS AND NIPPERS, PLATE PUNCHES AND CLASP BENDING PLIERS

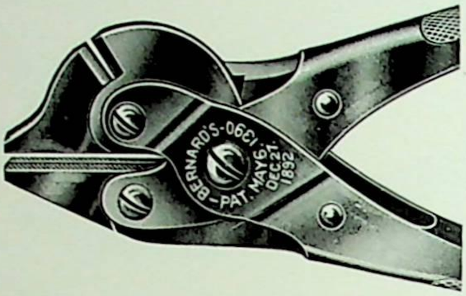

BERNARD'S-1390-S
B-PAT. MAY 6.
DEC 21.
1892

Fig. 9407

HEAVY PATTERN CUTTING PLIERS

Similar to Fig. 9397 on Page 77 but much heavier in construction and more powerful. Two sizes, 4½" and 5½".

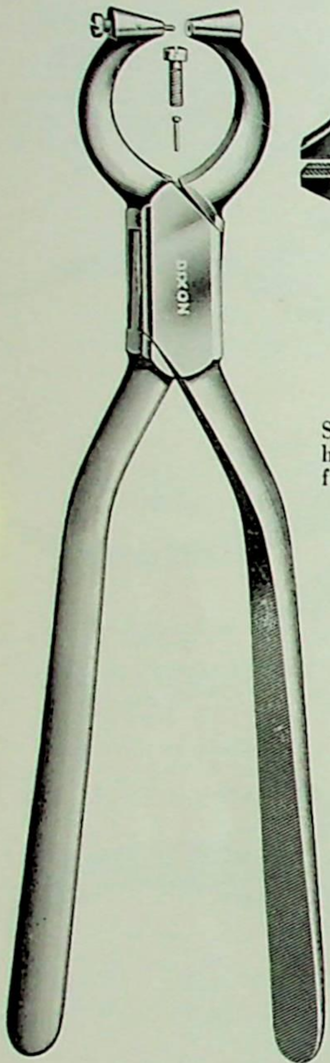


Fig. 9409

MECHANICAL PLATE PUNCH

For punching holes in metal plate. Strong and well made.

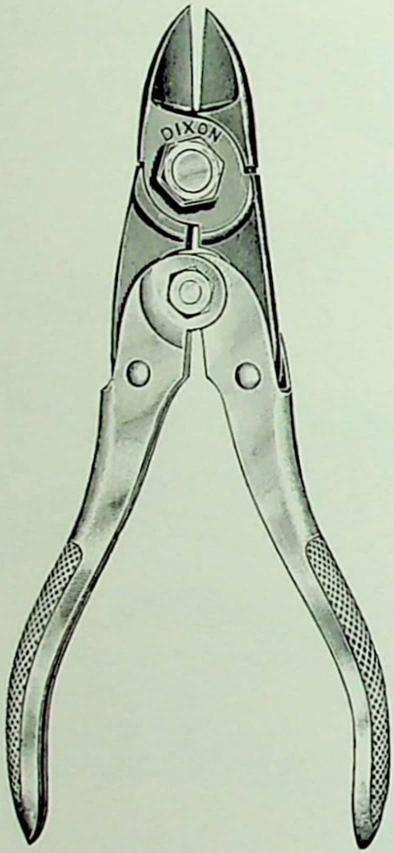


Fig. 9408 (No. 177)

DIAGONAL CUTTING NIPPER

Spring Action. Length, 5½"

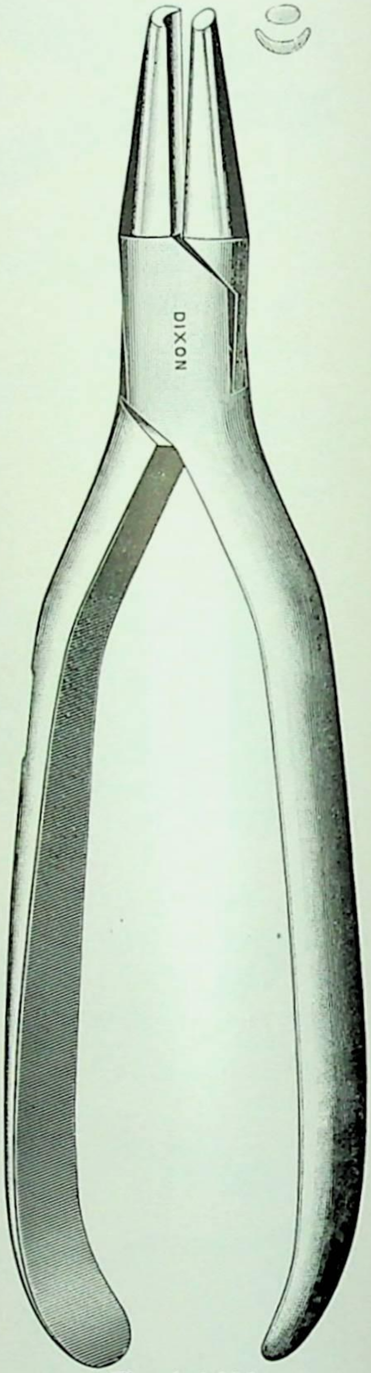


Fig. A 9409

CLASP BENDING PLIER, No. 134

Suggested by Dr. H. J. McKellops

CROWN DIE PLATES

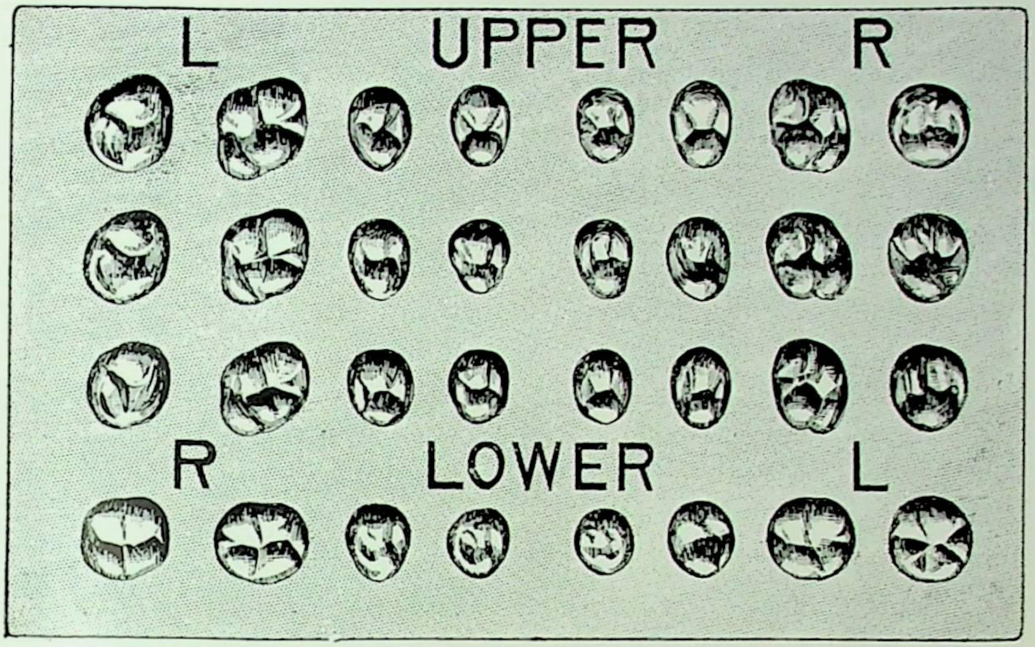
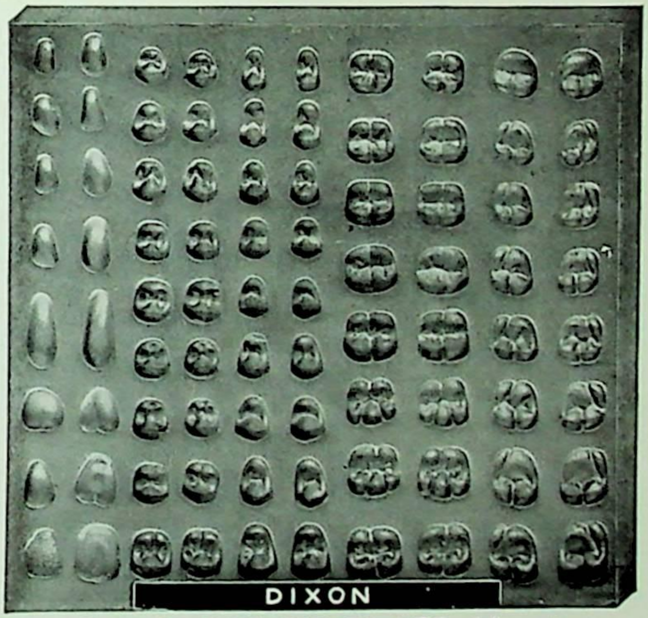


Fig. 9410 **UPPER AND LOWER CROWN DIE PLATE, No. 3**

Dull nickel finish with 32 perfect impressions. Size, 3⅛" x 5".



SHALLOW DIE PLATE, No. 4

This Die Plate has 84 impressions, all perfect and smooth. Size, 5¼" x 5¾".

Fig. A 9410 High Nickel Finish. Fig. B 9410 Steel Nickel Finish.

Especially constructed for 2 piece or soldered Crown and Bridge Work.

16 upper molars, R. and L.
16 lower molars, R. and L.
18 lower bicuspid, R. and L.
18 upper bicuspid, R. and L.
Also an assortment of 16 perfect facings.

CROWN DIE PLATES

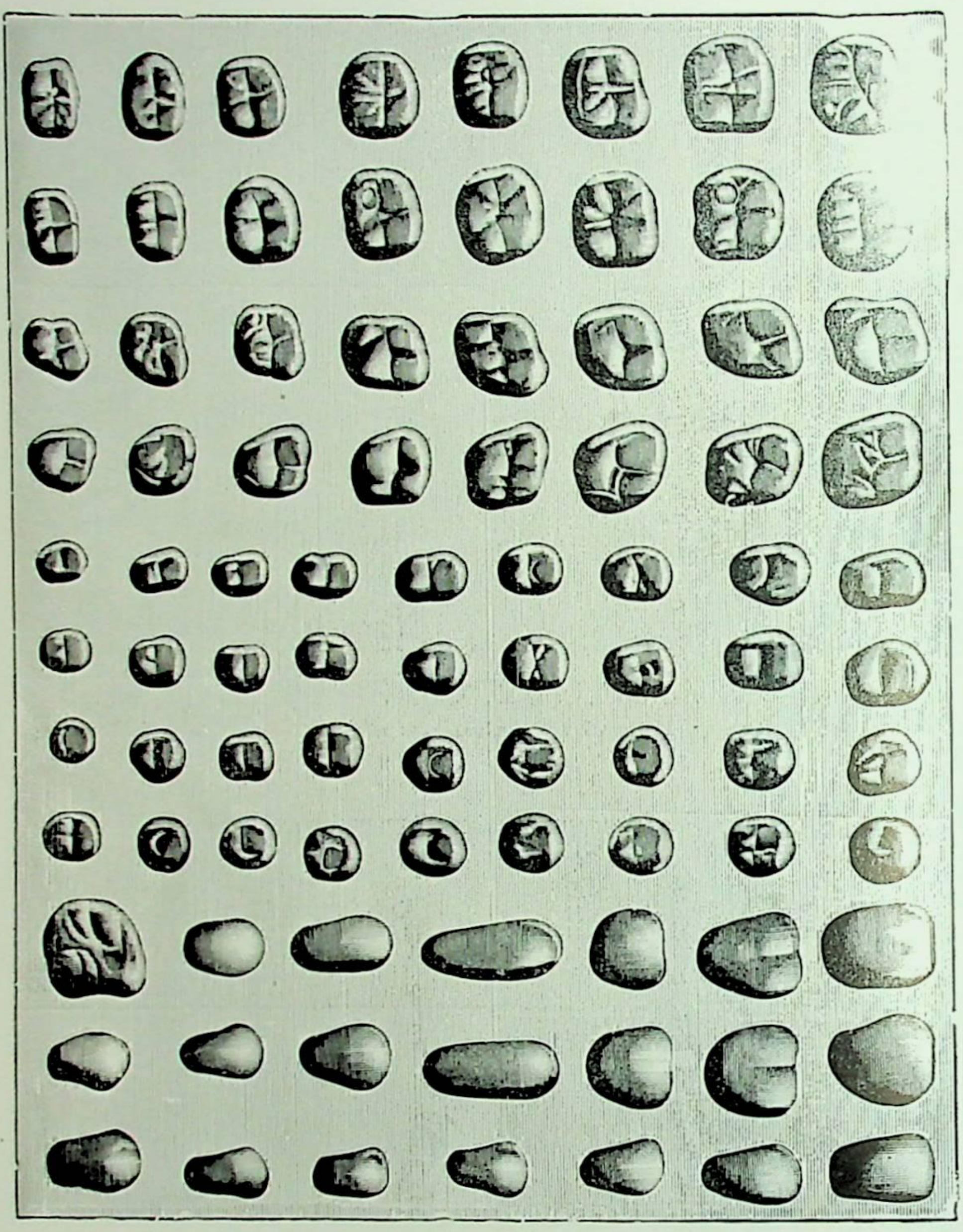


Fig. 9411 CROWN DIE PLATE, No. 1

Dull nickel finish, shallow die plate, 89 impressions for bridge work.

Size, 4⅞" x 5¾".

Fig. A 9411 CROWN DIE PLATE, No. 2

Size, 4½" x 6¼".

This shallow Die Plate has 152 impressions and is similar in style to Fig. 9411.
Made in two kinds of finishes: Steel Nickeled and Bronze Finish.

DIE PLATES, CROWN AND BRIDGE WORK SYSTEMS

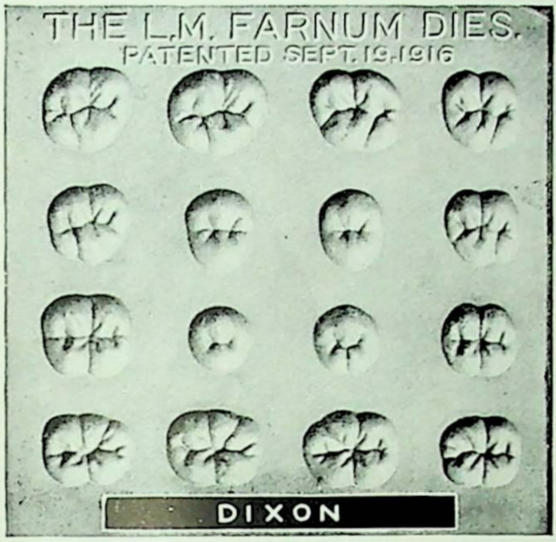


Fig. 9412

"L. M. FARNUM" DIE PLATE

Illustration three-fourths actual size. Made of bronze, plain finish. Sixteen dies corresponding to natural bicuspids and molars.

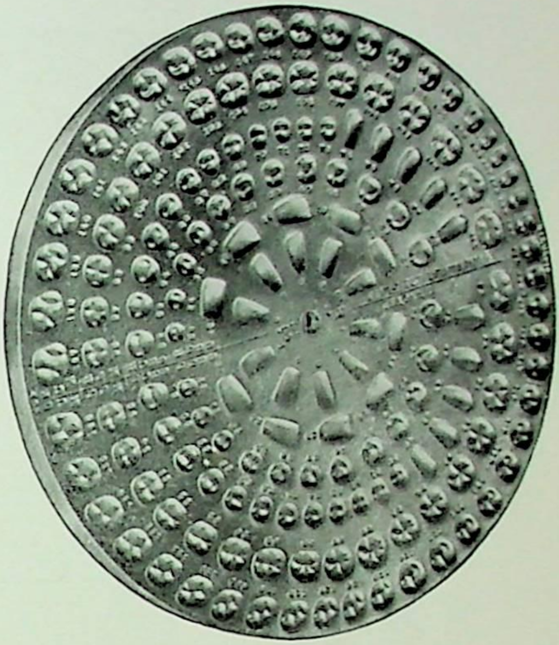


Fig. 9414

No. 12 ROUND DIE PLATE

160 shallow impressions, containing 130 molar and bicuspid dies and 30 facings. 8¼" diameter. Brass, nickel plated. Designed by Dr. Dolman.

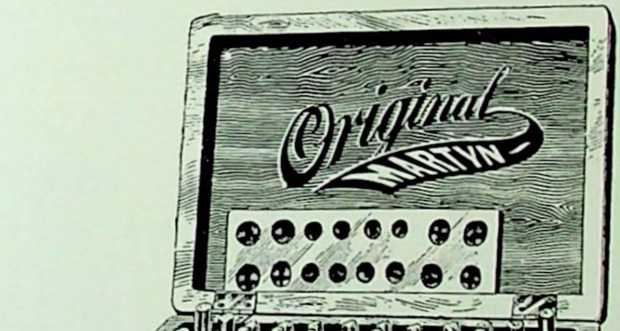


Fig. 9413 **"MARTYN" CROWN SYSTEM**

The above illustration represents a crown system that consists of: One 25-hole draw plate, twenty-five steel punches, one 16-hole die plate, 32 composition dies or tooth forms for central, lat., canine and bicuspid crowns.

CROWN AND BRIDGE WORK SYSTEMS

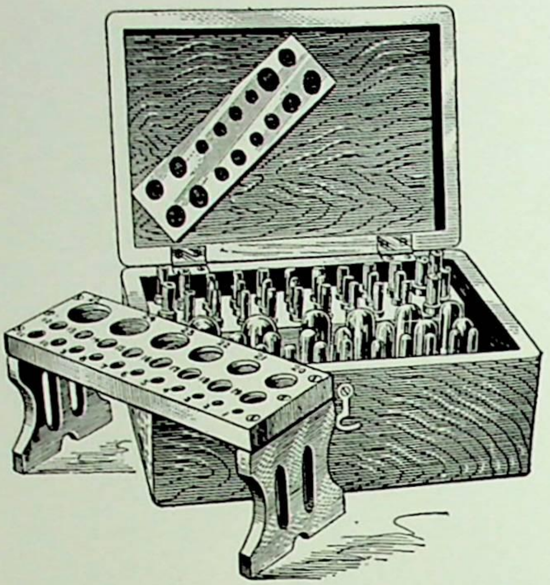


Fig. 9415 (No. 4) CROWN SYSTEM

Draw plate on stand and 25 steel punches, one 16-hole die plate, 32 composition dies or tooth forms for central, lat., canine and bicuspid crowns.

Fig. 9416 (No. 5) CROWN SYSTEM

Draw plate and 25 steel punches, one 16-hole die plate, 32 steel dies or tooth forms for central, lat., canine and bicuspid crowns.

Fig. 9417 (No. 6) CROWN SYSTEM

Draw plate and 25 steel punches, one 16-hole die plate, 32 steel dies or tooth forms for central, lat., canine, bicuspid and molar crowns.

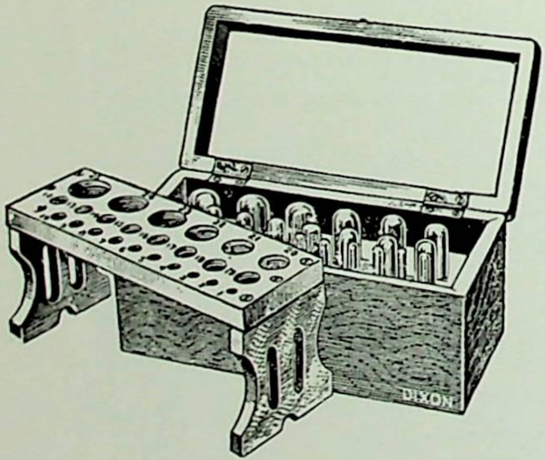


Fig. 9418 (No. 8) CROWN SYSTEM

For making or reducing seamless shells, also seamless bands. Outfit consists of draw plate on a stand and punches.

DUPLEX SPRINGS AND SWAGERS

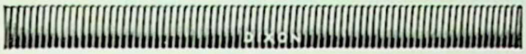


Fig. 9421

DUPLEX SPRING
Without Brass Ring

and without wooden tube.

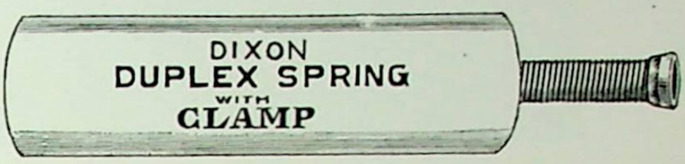


Fig. 9422

DUPLEX SPRING

With brass ring. Encased in a wooden tube.

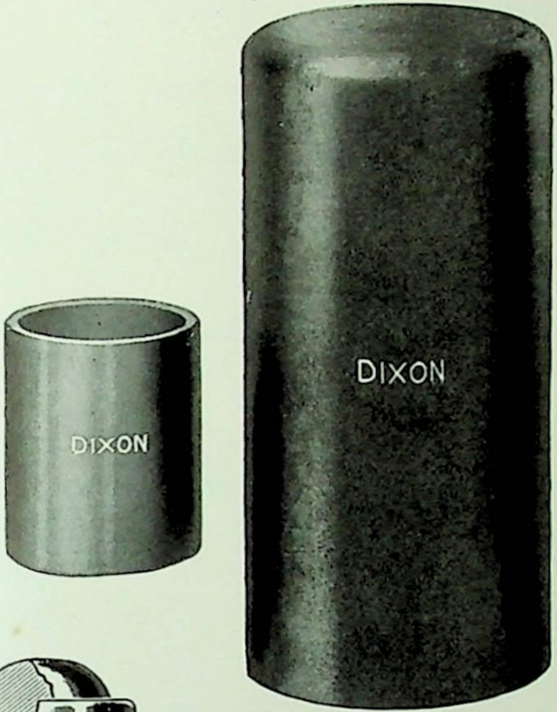


Fig. 9424

GIANT SWAGER

Made from steel shafting. Neat and strong for all kinds of small swaging. The small cup or plunger is filled with dental lac. The large steel body with a rubber cushion.

No. 1

Dia. Barrel, 1⅜"; Length, 3"

No. 2

Dia. Barrel, 1$\frac{11}{16}$"; Length, 3½"

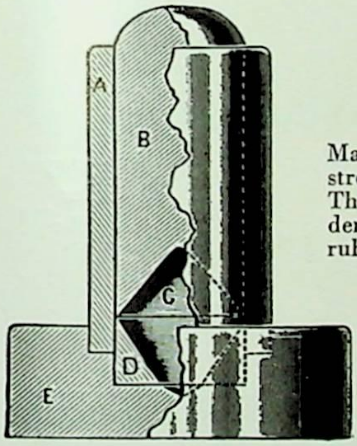


Fig. 9419 (No. 5)

FIVE PART DENTAL SWAGER

Made of steel, heavily coated with white nickel.

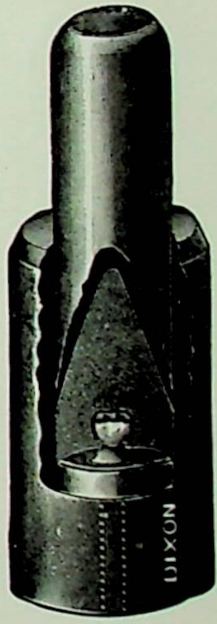


Fig. 9420

PLACE'S SWAGER

Consists of cylinder, plungers and disks.

DRAW PLATES AND DRAW TONGS

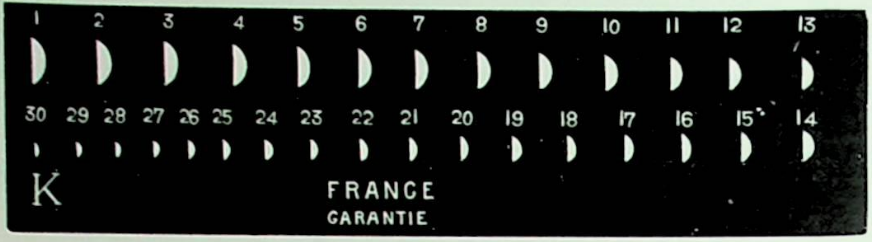


Fig. 9425 "K" HALF ROUND HOLE DRAW PLATE
30 Holes. Size of largest hole $\frac{3}{16}$″ x $\frac{3}{32}$″, smallest $\frac{3}{64}$″ x $\frac{1}{64}$″.

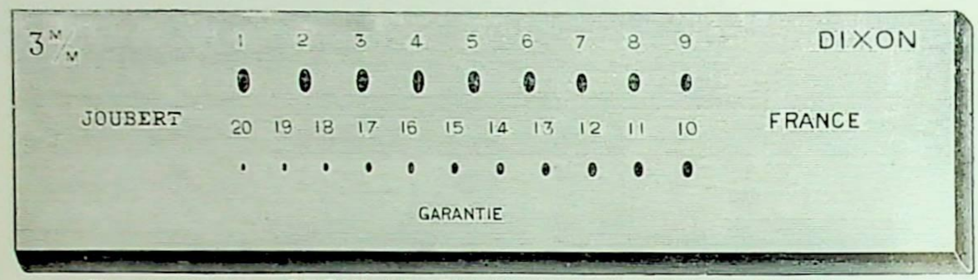


Fig. 9426 3m/m REGULAR OVAL HOLE DRAW PLATE
Sizes .031 to .118

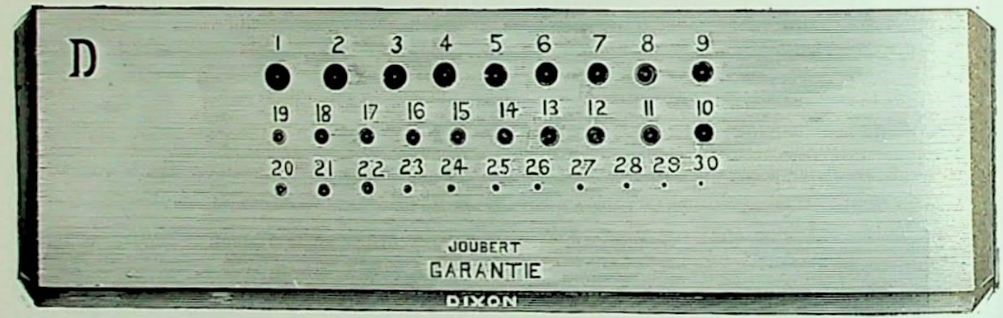


Fig. 9427 "D"
30 Holes
Sizes .022 to .116

ROUND HOLE DRAW PLATE

Fig. 9428 "F"
40 Holes
Sizes .018 to .136

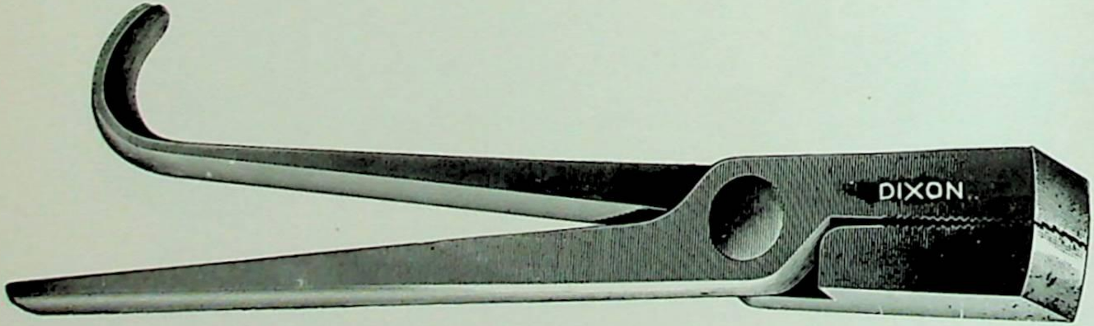


Fig. 9429 HAND DRAW TONGS
Made of steel with serrated jaws in two sizes, 8″ and 10″ long.

SCREW PLATES AND SCREW DRIVERS

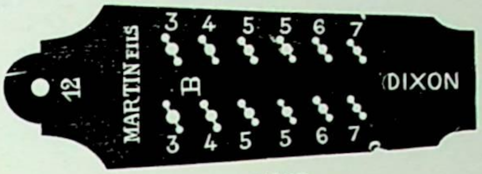


Fig. 9433

SCREW PLATE

12 holes. Furnished with 6 taps, also without taps.

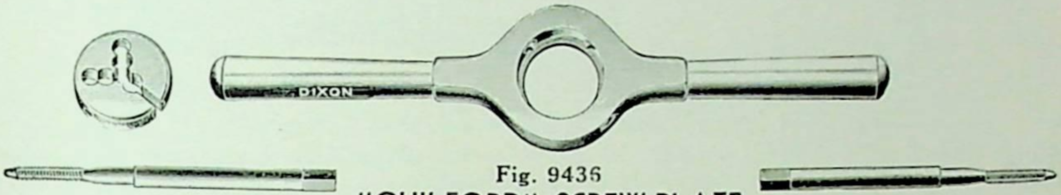


Fig. 9436

"GUILFORD" SCREW PLATE

Set packed in a neat wooden box. We stock extra taps and dies.

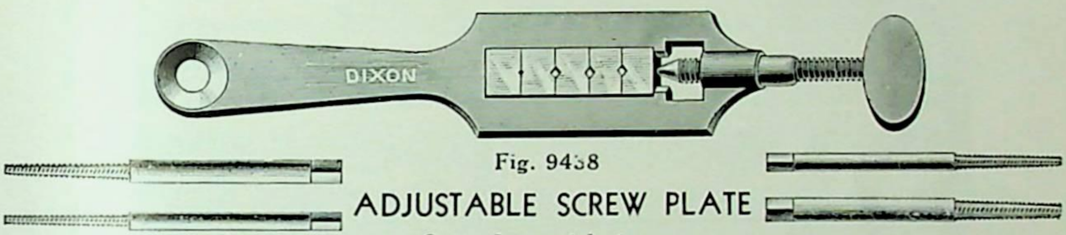


Fig. 9438

ADJUSTABLE SCREW PLATE

Complete with 4 taps.

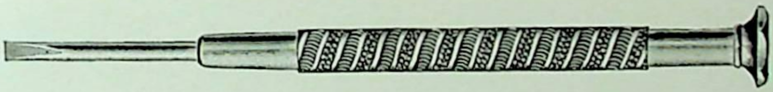


Fig. 9449

ALL-METAL SCREW DRIVER

Nickel plated, fitted with a revolving top.

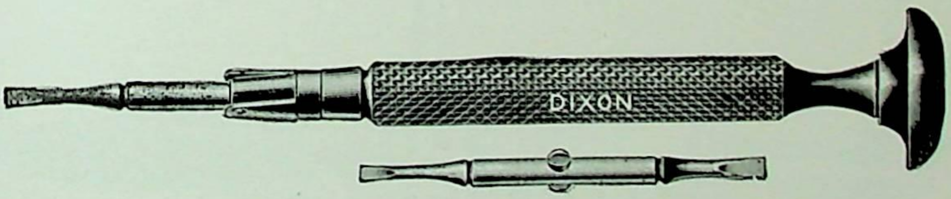


Fig. 9450 (No. 700)

REVERSIBLE BLADE SCREW DRIVER

Knurled steel handle and revolving wood head.

SAW FRAMES

All Dixon Saw Frames are strongly made. The frame and handle are correctly shaped for most efficient cutting and are nicely finished. A feature of these frames is the extra large size of the thumb screws, by which frames can be tightened without the aid of pliers. These screws also have a heavier than ordinary thread, as a protection against stripping.

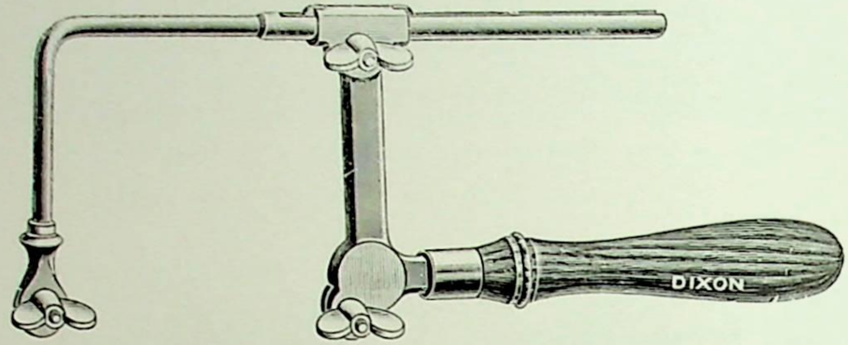


Fig. 9458 MECHANICAL SAW FRAME Depth, 2½"

A high grade frame with round top and well shaped handle. Extra large thumb screw with heavy threads. Nickel plated. Extra screws and nuts can be supplied.

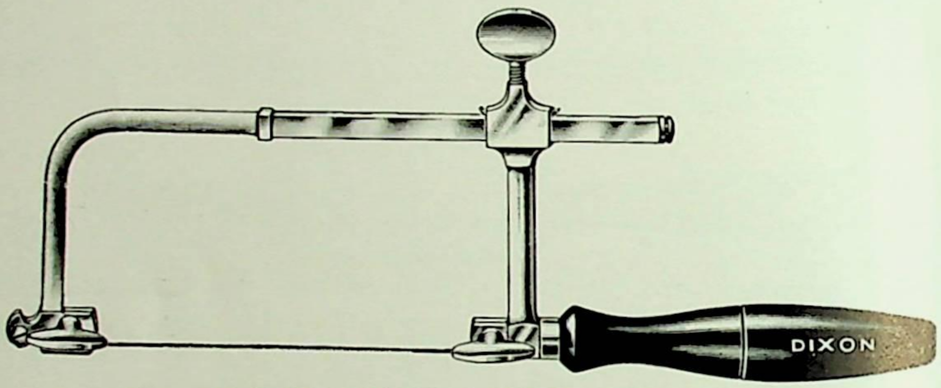
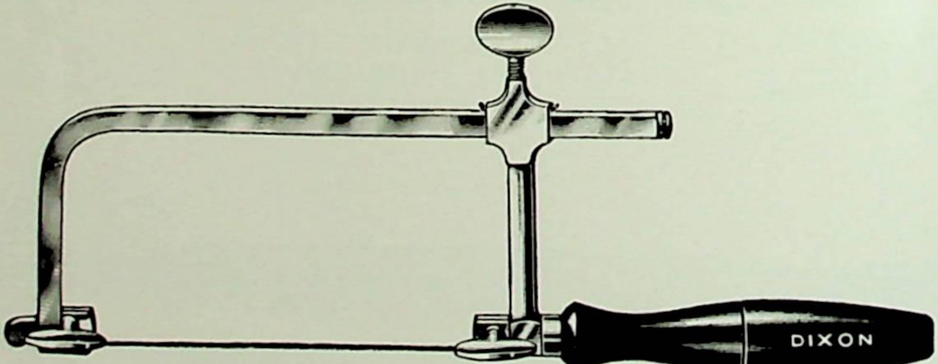


Fig. 9459 MECHANICAL SAW FRAME Depth, 2¼"

"A" Quality. An excellent saw frame with oval top and handy black handle. Has an extra large thumb screw, heavily threaded.



MECHANICAL SAW FRAME

Fig. 9460 "B" Quality. Depth, 2¼" This frame has a flat top and black handle.

Fig. 9461 "C" Quality. Depth, 2¼" This frame has a flat top and natural wood handle.

Fitted with extra large thumb screw, heavily threaded.

SAW FRAMES AND MECHANICAL SAWS

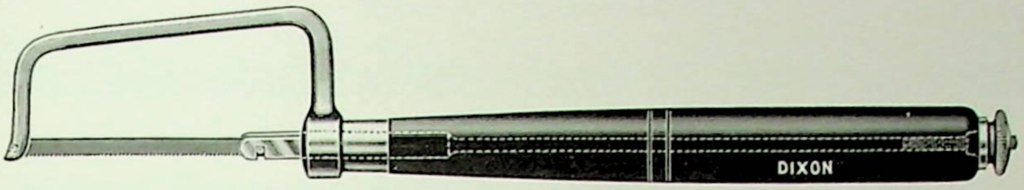


Fig. 9463 SAW FRAME
Designed by Dr. G. V. Black. Made of steel. Nickel plated, with ebony handle.

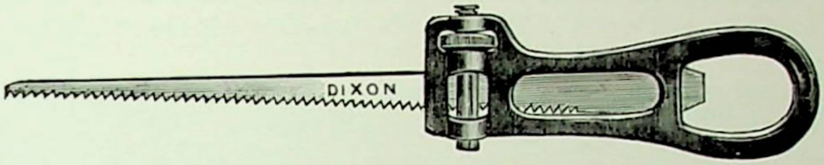


Fig. 9462 KEYHOLE SAW AND PAD
Patent, adjustable iron handles. Extra blades can be supplied.

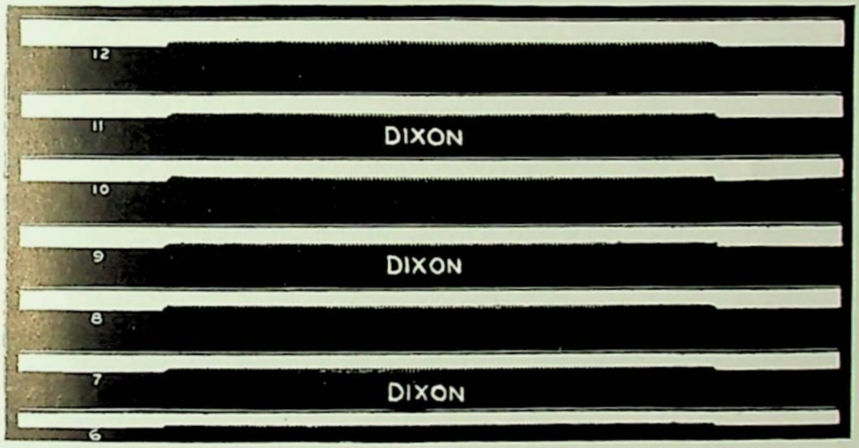


Fig. 9483
FLAT SAW BLADES, 7 Sizes, Nos. 6 to 12
These Saws are 5″ long.

* * *

Fig. 9484
Cuts on one edge only.

SAW BLADES
for Dr. G. V. Black's
Saw Frame, Fig. 9463

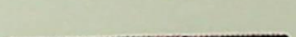


Fig. 9485
Cuts on both edges.

Put up in one dozen and one gross packages.

SEPARATING OR RIBBON SAWS

All Saws Are Cut on Both Edges

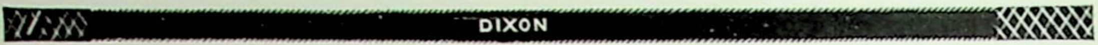


Fig. 9465. Width 1/8". Thickness (.002") two-thousandths of an inch.

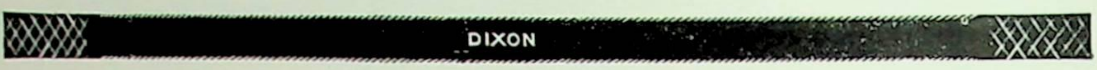


Fig. 9466. Width 3/16". Thickness (.002") two-thousandths of an inch.

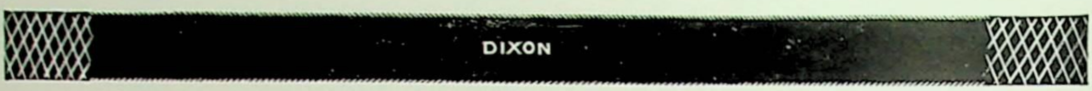


Fig. 9467. Width 5/16". Thickness (.002") two-thousandths of an inch.

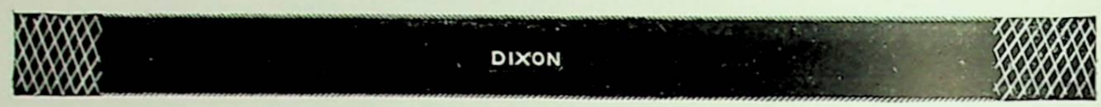


Fig. 9468. Width 3/8". Thickness (.002") two-thousandths of an inch.

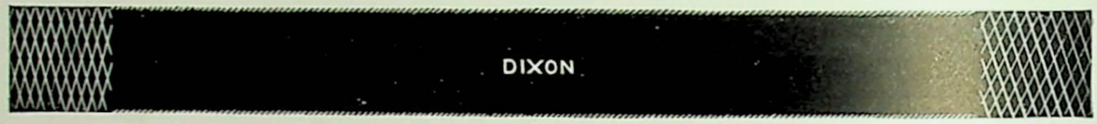


Fig. 9469. Width 1/2". Thickness (.002") two-thousandths of an inch.

RIBBON SAWS WITH CORRUGATED ENDS

Narrow Ribbon Saws with corrugated ends have won great favor because the corrugated ends give a much firmer hold than the plain smooth ends. These Saws are exceptionally flexible and exceedingly tough.

Our Ribbon Saws are made in two grades:
"A" Quality, White color finish or temper "B" Quality, Brown color finish or temper

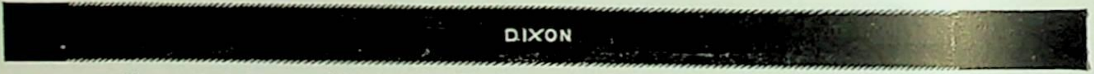


Fig. 9474 Width 1/4". Thickness (.004") four-thousandths of an inch.

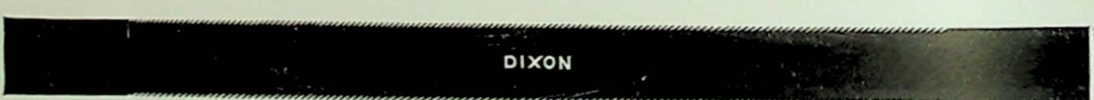


Fig. 9476 Width 3/8". Thickness (.004") four-thousandths of an inch.

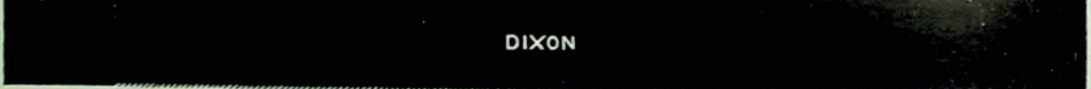


Fig. 9478 Width 1/2". Thickness (.004") four-thousandths of an inch.

RIBBON SAWS WITH PLAIN SMOOTH ENDS

Our Ribbon Saws are made in two grades:
"A" Quality, White color finish or temper "B" Quality, Brown color finish or temper

MECHANICAL SAWS

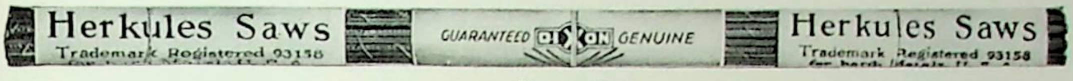


Fig. 9481

HERKULES MECHANICAL SAW BLADES

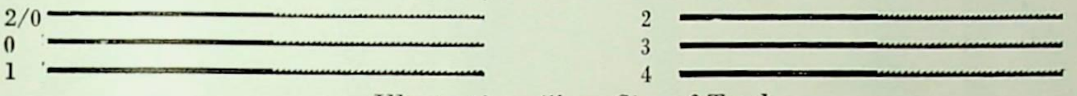
For Cutting Metals

WILLIAM DIXON, INC., is the sole importer and general distributor of HERKULES SAWS in America. These saws won first rank in popularity many years ago because of their superior, always dependable quality. They are made of selected steel and are celebrated for temper and workmanship, assuring quick, clean cutting on finest work.

The very large sale of Herkules Saws in the United States and Canada has tempted imitators to trade upon the Herkules reputation. The orange colored DIXON LABEL on each package identifies the genuine and will protect you against imitations.

Herkules Saws are put up in bundles containing one gross of a size,

Nos. 2/0—0—1—2—3—4.



Illustrations Show Size of Teeth

◆

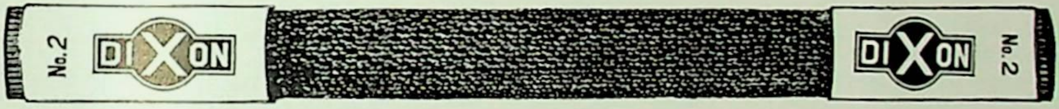


Fig. 9482

SPIRAL SAWS

For Cutting Rubber and Plaster All Numbers—3/0 to 3

This Saw will cut in any direction without turning the frame.

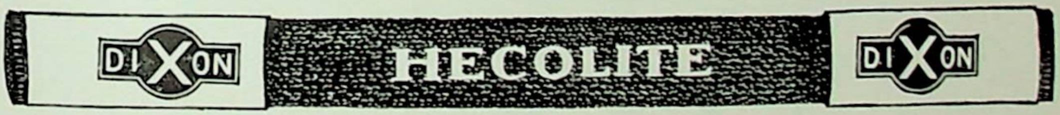


Fig. 9486

HECOLITE SAWS

Especially Adapted for Cutting Hecolite Material

Similar to Spiral Saws but much coarser.

PLATE SHEARS

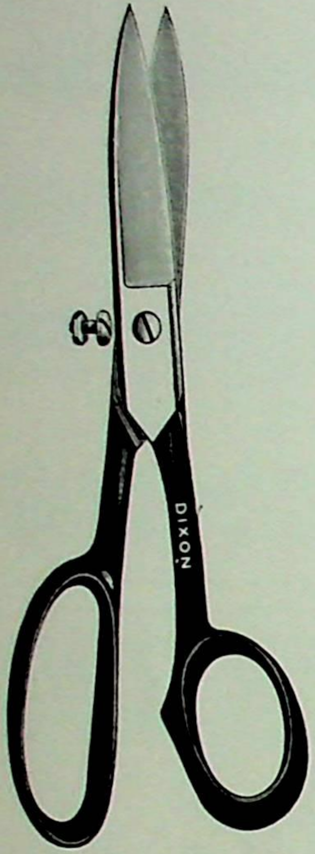


Fig. 9488

PLATE SHEAR

Japanned handles with nickel plated blades.
Length of Blades 2½″
Length Overall 7¾″
Nut and Screw Type Fastening

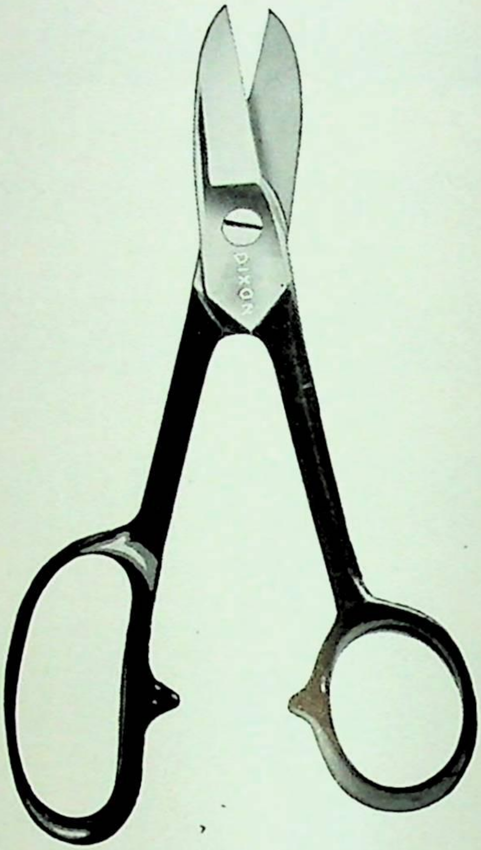


Fig. 9487

PLATE SHEAR

Japanned handles with nickel plated blades.
Length of Blades 1½″
Length Overall 7¼″
Screw Type Fastening

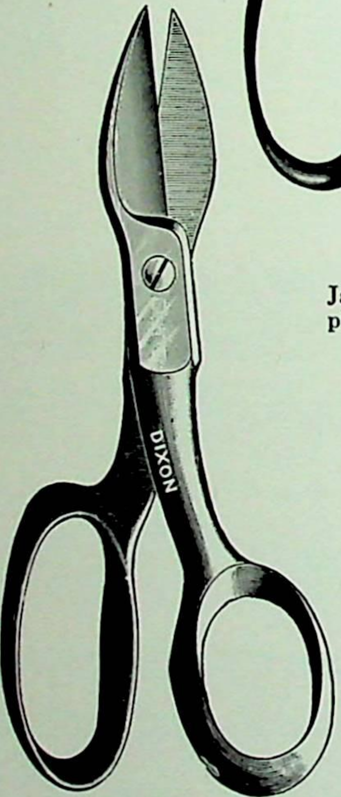


Fig. 9489

PLATE SHEAR

Japanned handles with nickel plated blades.
Length of Blades, 2⅛″ Length Overall, 7¾″
Nut and Screw Type Fastening

CROWN SHEARS

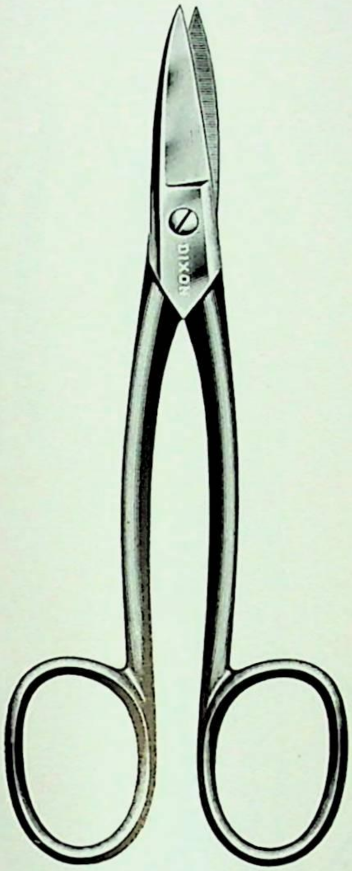


Fig. 9490 (No. 6)

SCISSOR HANDLES

Length of Blades 1½"
Length Overall 7"
Straight, nickel plated blades.
Japanned handles.

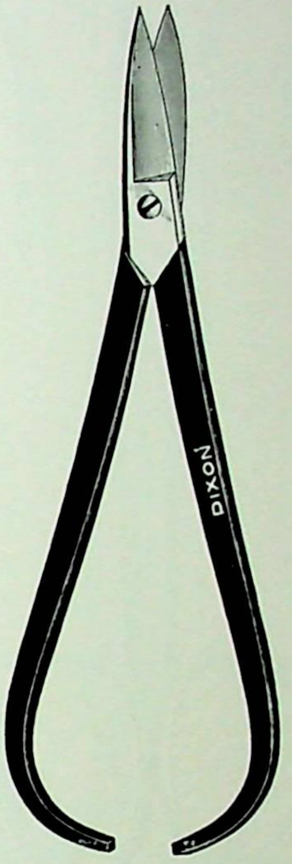


Fig. 9491 (No. 4)

PLAIN HANDLES

Length of Blades 1½"
Length Overall 7"
Straight, nickel plated blades.
Japanned handles.

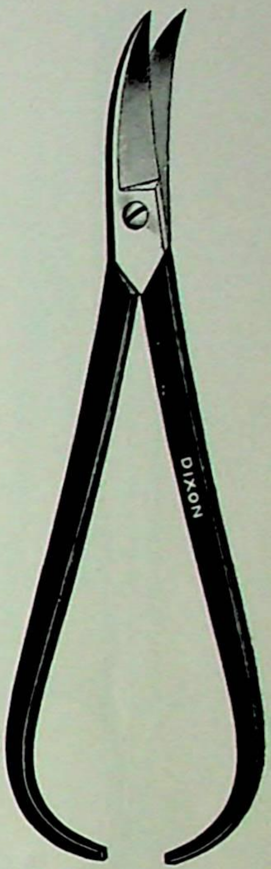


Fig. A 9491 (No. 5)

PLAIN HANDLES

Length of Blades 1½"
Length Overall 7"
Curved, nickel plated blades.
Japanned handles.

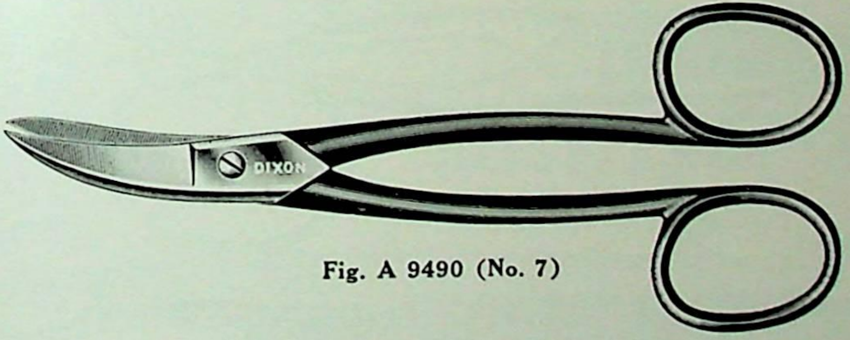


Fig. A 9490 (No. 7)

SCISSOR HANDLES

Length of Blades, 1½" Length Overall, 7"
Curved blades are nickel plated. Handles are japanned.

CROWN, PLATE AND FOIL SHEARS

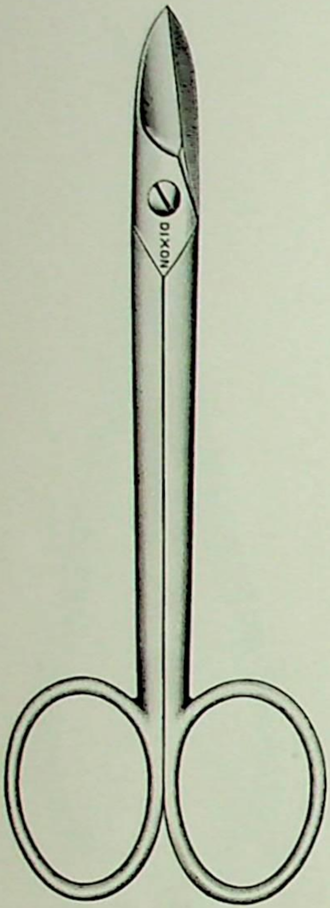


Fig. 9495 (No. 10)
Dr. J. G. Lane's
CROWN SCISSORS

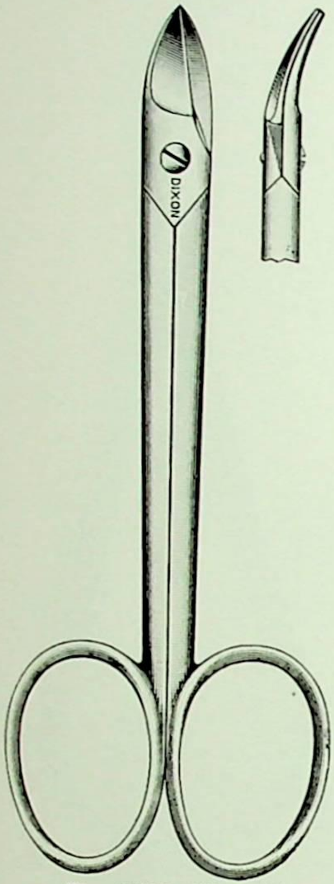


Fig. 9500 (No. 11)
Dr. J. H. Beebe's
CURVED COLLAR
and CROWN SHEARS

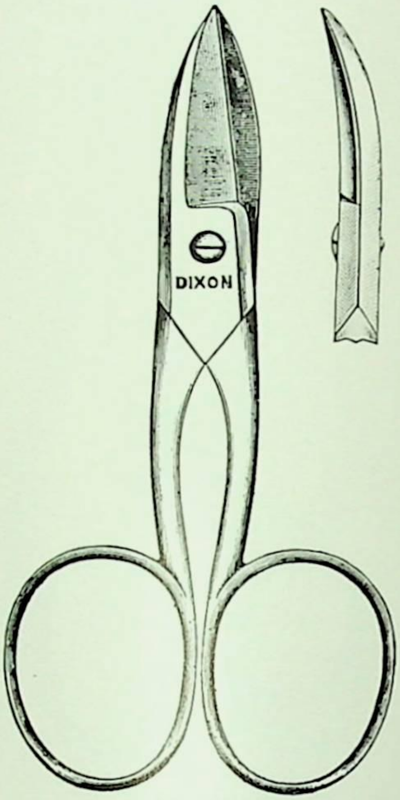


Fig. 9498
CURVED CROWN
and PLATE SHEARS
Length, 3½″

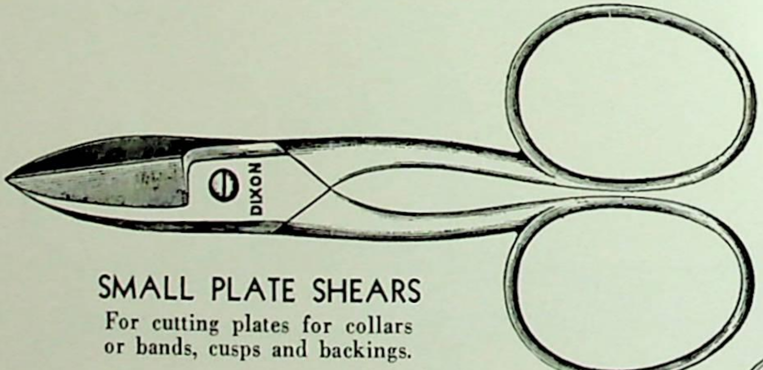


Fig. 9497
(No. 3)

SMALL PLATE SHEARS
For cutting plates for collars
or bands, cusps and backings.

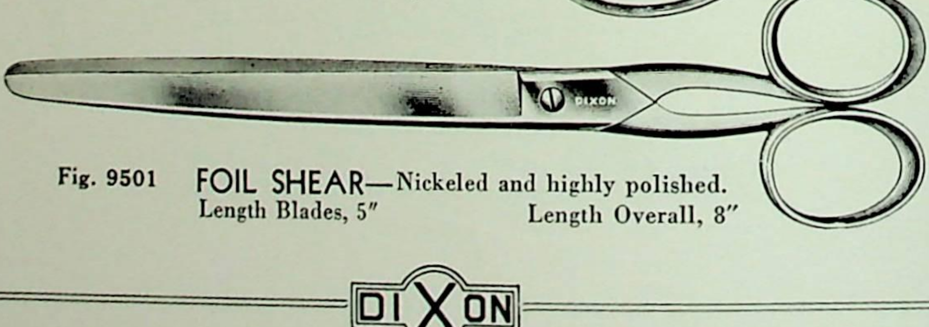


Fig. 9501 FOIL SHEAR—Nickeled and highly polished.
Length Blades, 5″ Length Overall, 8″

PLATE, RUBBER DAM AND GUM CUTTING SHEARS

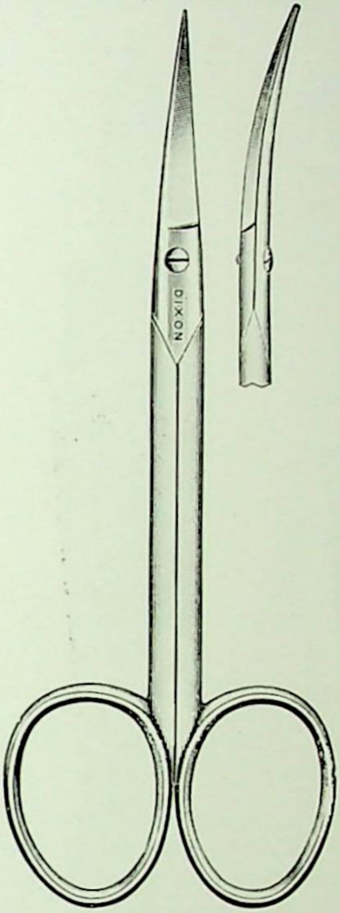
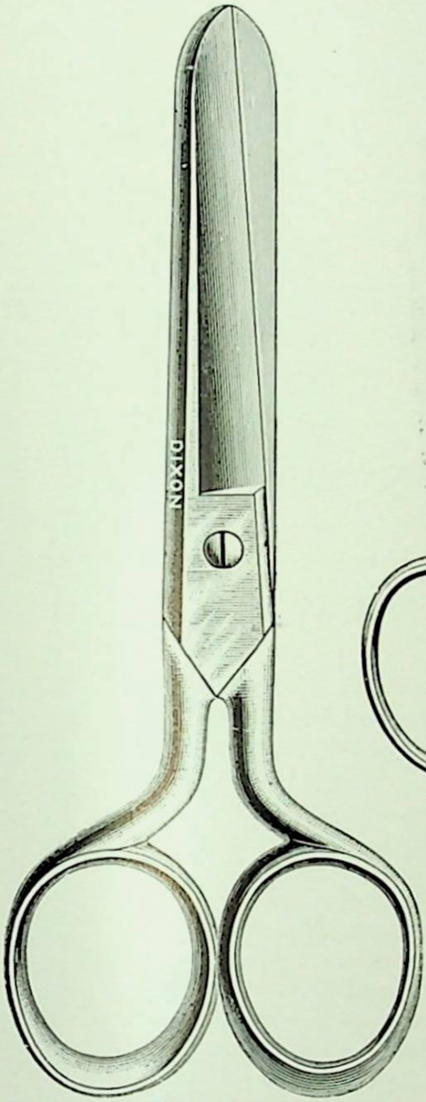


Fig. 9499

GUM CUTTING SCISSORS



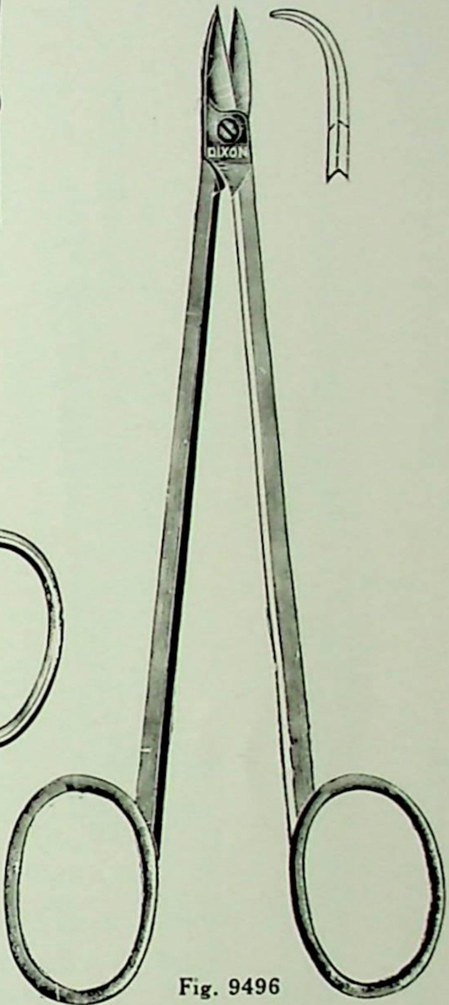


Fig. 9496

Dr. Quimby's

GUM CUTTING SCISSORS

5″ long. Short, sharp, curved ends.

Fig. 9505

SCISSORS FOR RUBBER DAM

Length, 5″. Bright polished.

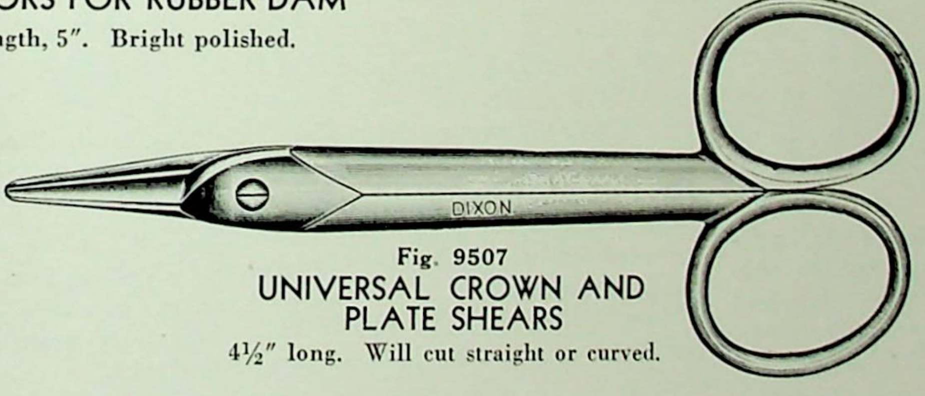


Fig. 9507

UNIVERSAL CROWN AND PLATE SHEARS

4½″ long. Will cut straight or curved.

WILSON'S VULCANITE FINISHERS

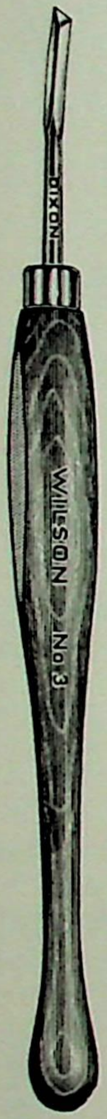


Fig. 9509 (No. 3)

PICK

No. 3 is a Pick for removing rubber between the teeth and other small places difficult of access.

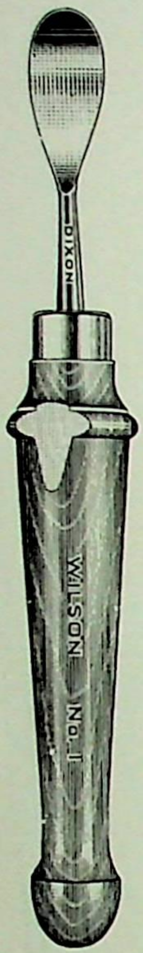


Fig. 9511 (No. 1)

LARGE SCRAPER

No. 1 is a heavy Scraper for general work.

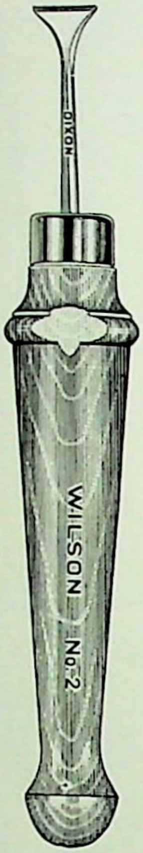


Fig. 9510 (No. 2)

CHISEL

No. 2 is a Chisel for general work. The sides of the Chisel may be used as a scraper between the teeth.

Dr. Wilson's Vulcanite Finishers have handles designed for a comfortable grasp. The ends and flanges are flattened to prevent rolling when they are laid on the bench.

Boxed 4 in a set. Also individually.

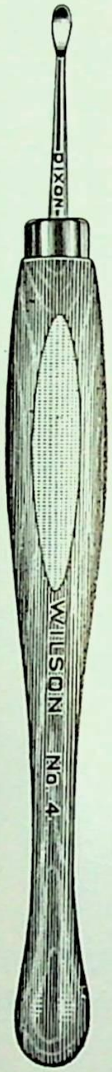
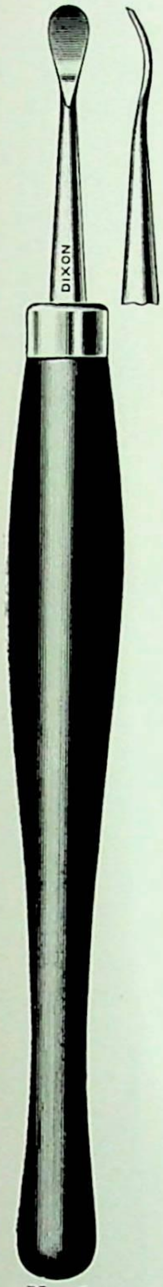


Fig. 9508 (No. 4)

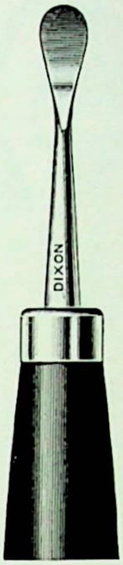
SMALL SCRAPER

No. 4 is a small Scraper for light work on the maxillary and mandibular surfaces.

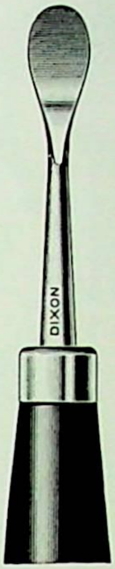
DIXON VULCANITE SCRAPERS AND CHISELS



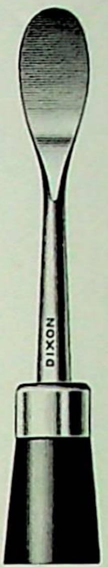
No. 1



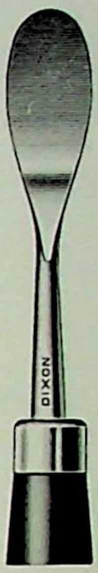
No. 2



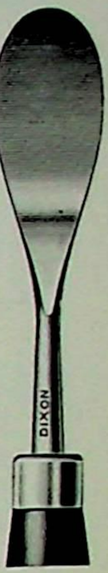
No. 3



No. 4



No. 5



No. 6

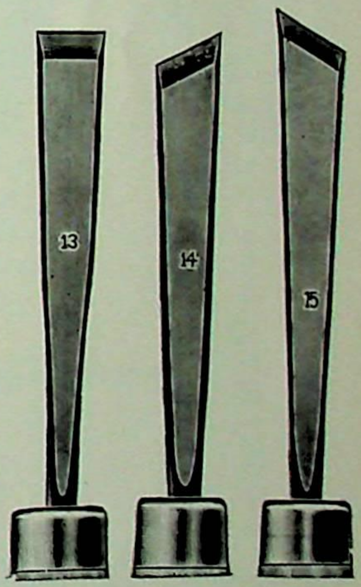
Fig. 9512. Extra Quality
Fig. 9514. Regular Quality

VULCANITE SCRAPERS— *Designed by Dr. N. W. Kingsley*
Nos. 1 to 6

Dixon Scrapers and Chisels are made of high grade, high carbon drill rod steel, carefully heat treated and hardened under thermostatic control. They are correctly shaped, skillfully ground and serviceably finished. The Scrapers are made especially strong at the point where the spoon begins. The construction of the Kingsley Style Vulcanite Scrapers is such that they will retain a good cutting edge longer than any other shapes. They are not difficult to sharpen. Each Scraper is fitted with a black rubberoid handle as shown in illustration of the No. 1 size Scraper.

Each EXTRA QUALITY Scraper and Chisel is put up in an individual box. The REGULAR QUALITY tools are put up in cartons of One Dozen.

When ordering Scrapers or Chisels specify the quality desired, in addition to figure and tool number.

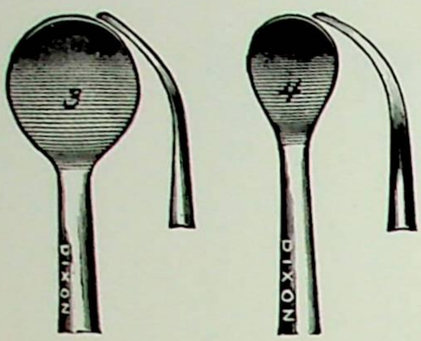


VULCANITE CHISELS

Fig. 9513. Extra Quality

Fig. 9519. Regular Quality

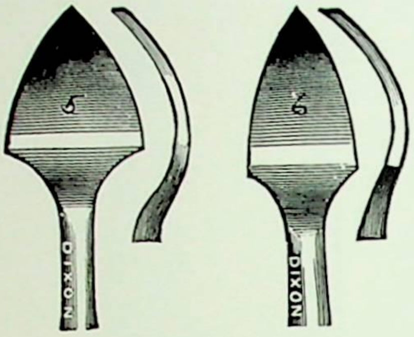
VULCANITE SCRAPERS AND CHISELS



No. 3 No. 4

Fig. A 9520

ROUND SHAPE

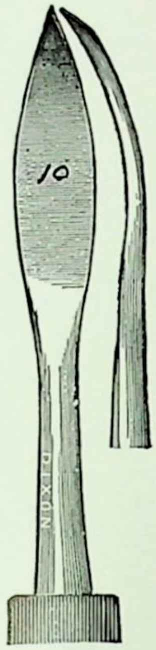


No. 5 No. 6

Fig. A 9523

SPEAR SHAPE

Fitted with handles same as Fig. 9512. Made of the same high quality and finish as our Regular Line Fig. 9514.



No. 10

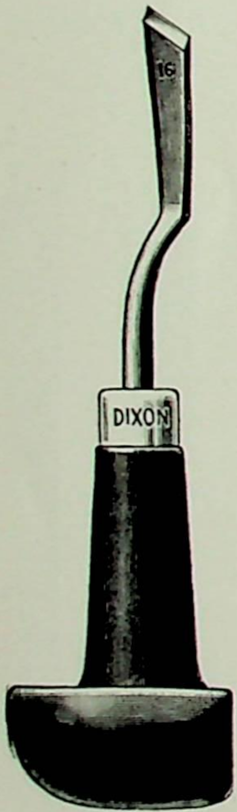


Fig. 9520
No. 16

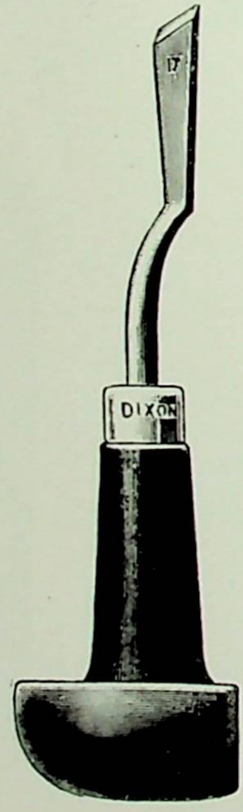


Fig. 9521
No. 17

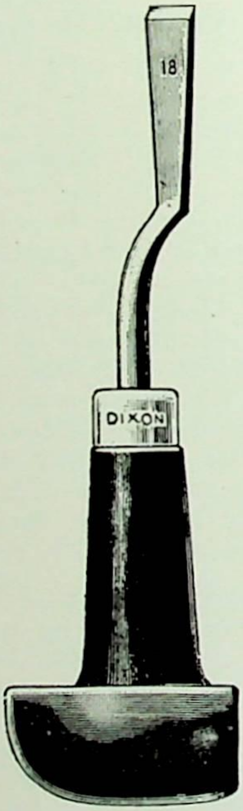


Fig. 9522
No. 18

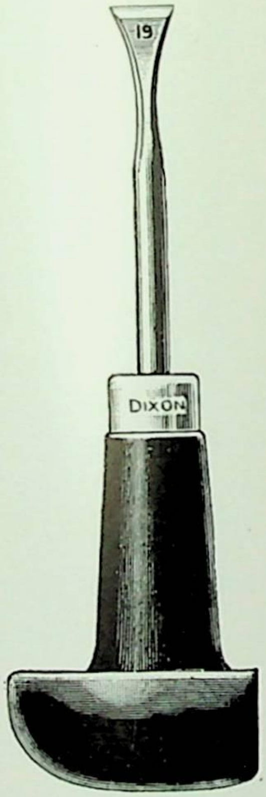


Fig. 9523
No. 19

"PEARSON'S" VULCANITE CHISELS

Black Rubberoid Handles

VULCANITE AND LABORATORY CHISELS

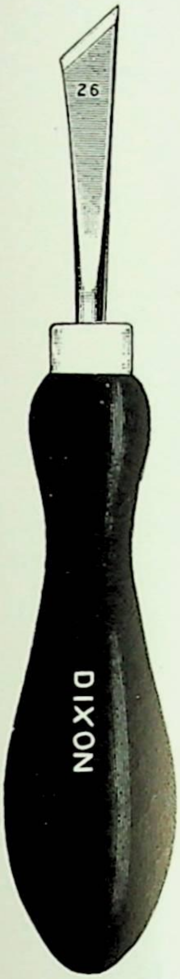


Fig. 9515
(No. 26)

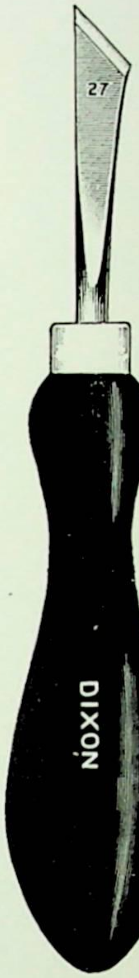


Fig. 9516
(No. 27)

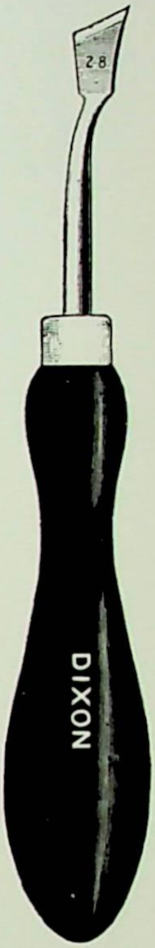


Fig. 9517
(No. 28)

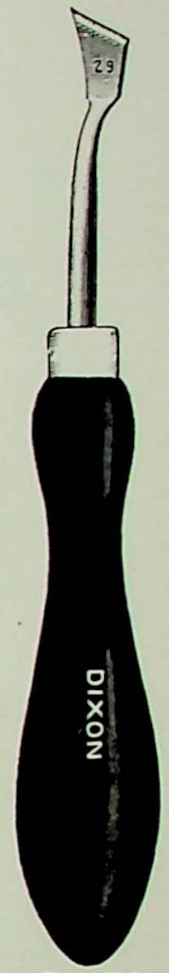


Fig. 9518
(No. 29)

VULCANITE CHISELS

Black Rubberoid Handles

◆

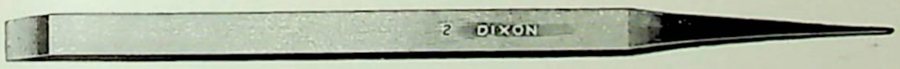
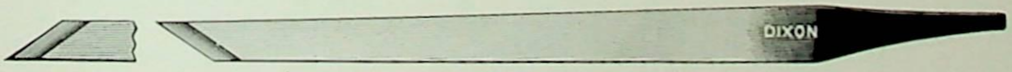


Fig. A 9518 LABORATORY CHISEL

Made of high grade steel, same as used by jewelers for metal engraving. These Chisels are $\frac{3}{16}$" wide, $\frac{1}{16}$" thick, and 4" long. Supplied without wooden handles. Handles furnished separately.



FLAT LABORATORY CHISEL

Fig. B 9518. Right Side Bevel Laboratory Chisel
Fig. C 9518. Left Side Bevel Laboratory Chisel

Made of high grade steel, same as used by jewelers for metal engraving. Supplied without wooden handles. Handles furnished separately.

CALIPERS AND GAUGES

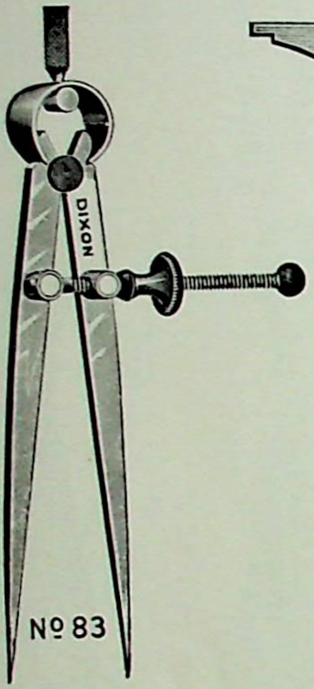
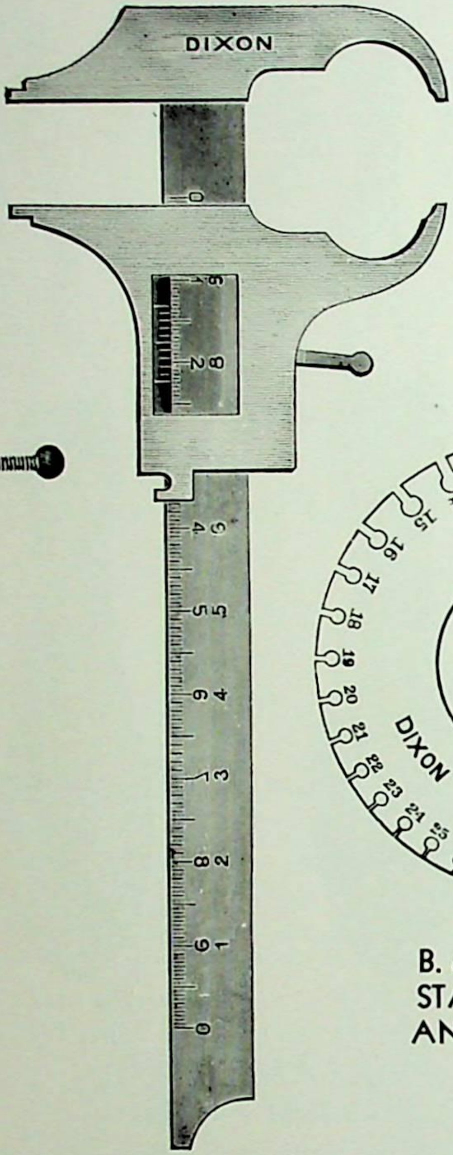


Fig. 9526

YANKEE SPRING DIVIDERS

Sizes:
2½", 3", 4", 5" and 6"



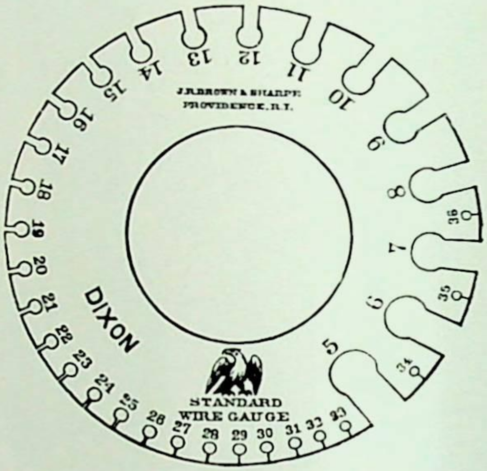


Fig. 9528

B. & S. AMERICAN STANDARD PLATE AND WIRE GAUGE

Sizes: 5-36

Fig. 9524

BOLEY'S MILLIMETER CALIPER GAUGE

This Gauge is graduated on one side of the beam. It is fitted with a Vernier Reading Scale. For measuring inside and outside diameters.

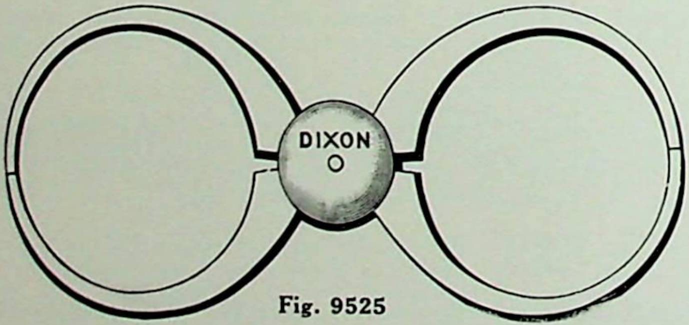


Fig. 9525

PLAIN BRASS CALIPER

GAUGE, EYE GLASS AND NAPKIN HOLDERS

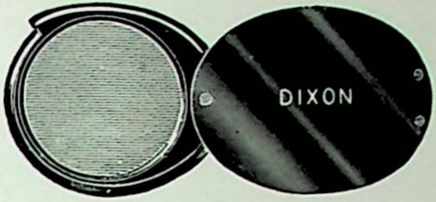


Fig. 9530

FOLDING EYE GLASS
OR LOUPE

No. 62, 1¼″, Single Lens

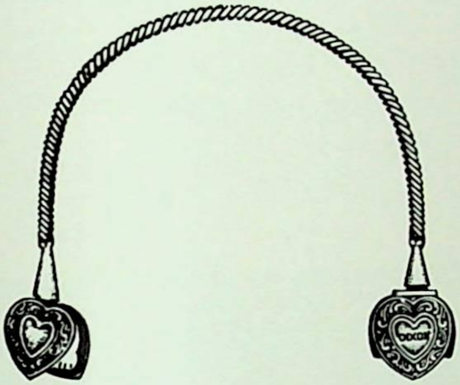


Fig. 9532

No. 1 "MASTIC" SILK CORD
NAPKIN HOLDER

With two clasps. Black or red
round silk cord

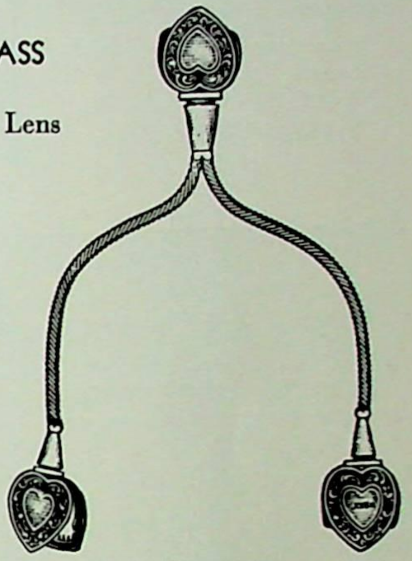


Fig. 9533

No. 2 "MASTIC" SILK CORD
NAPKIN HOLDER

With three clasps. Black or red
round silk cord

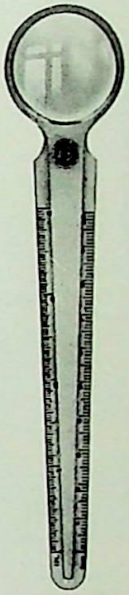


Fig. 9531

POCKET MAGNARULE WITH 1¼″ LENS

Made of polished crystal zylonite and has an accurate magnifier lens.

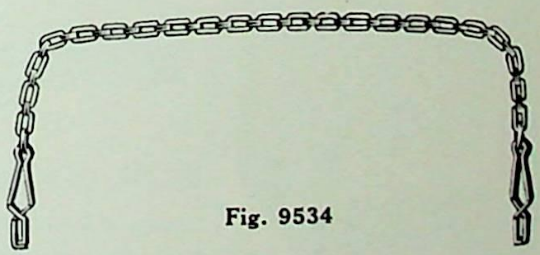


Fig. 9534

"DAISY" NAPKIN OR PINAFORE HOLDER

Flat brass links. Nickel plated

OIL STONES

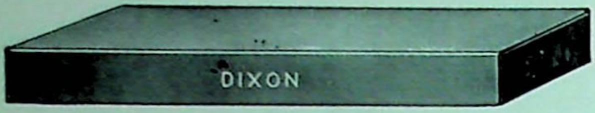


Fig. 9536

DIXON'S ARKANSAS OIL STONES

Dimensions	No. 1	No. 2
Length	3″	5″
Width	1″	2″
Thickness	3/16″	⅜″

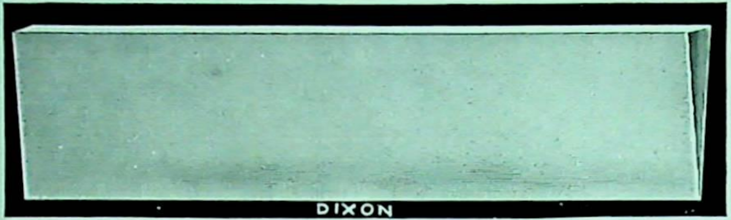


Fig. 9537

DIXON'S "ARKANSAS" KNIFE-BLADE SLIP

Dimensions Vary From

Lengths	Widths	Thicknesses
3″ to 4½″	¾″ to 1″	⅛″ to ¼″ to Sharp Edge

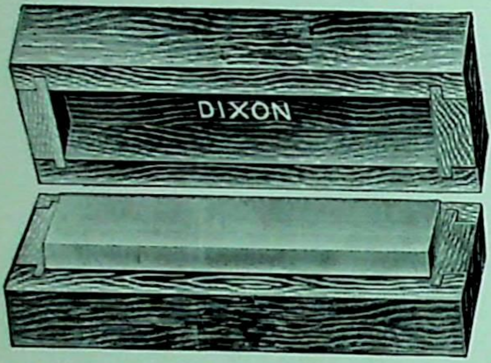


Fig. 9538

DIXON'S "ARKANSAS" OIL STONE

3½″ x ⅞″
Mounted in a neat wood box.

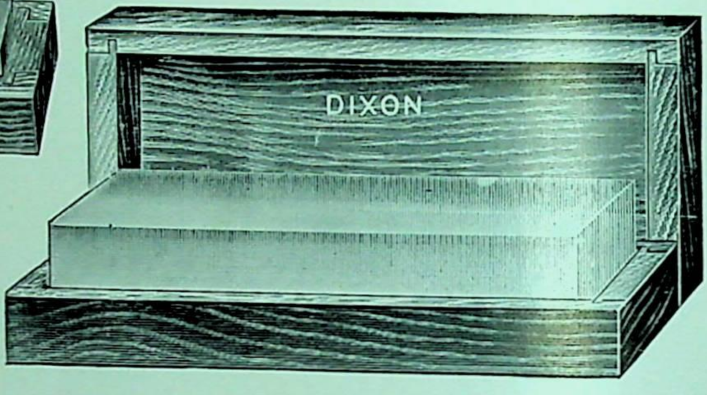


Fig. 9540

DIXON'S "ARKANSAS" OIL STONE

5″ x 2″. Mounted in a neat wood box.

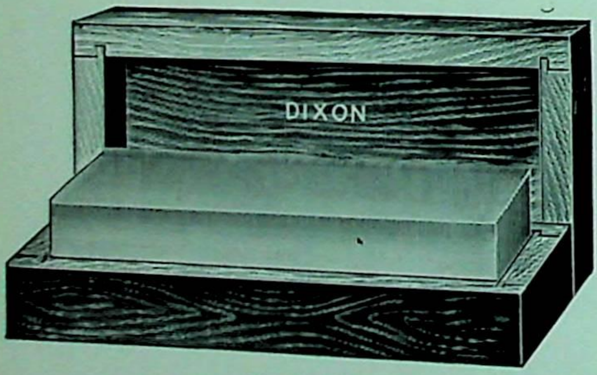


Fig. 9539

DIXON'S "ARKANSAS" OIL STONE

4″ x 1½″
Mounted in a neat wood box.

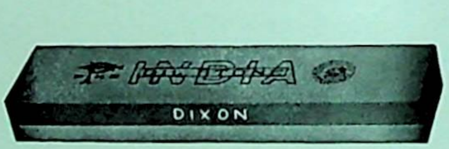


Fig. 9542

INDIA COMBINATION STONES

Coarse side for grinding down very dull or badly nicked tools, and fine side for putting on a finished edge.

No. 3	Size,	4″	x 1″	x ½″
No. 24	"	4½″	x 1½″	x ⅝″
No. 29	"	6″	x 2″	x 1″

CARBORUNDUM AND ALOXITE STONES OILS AND OIL CANS

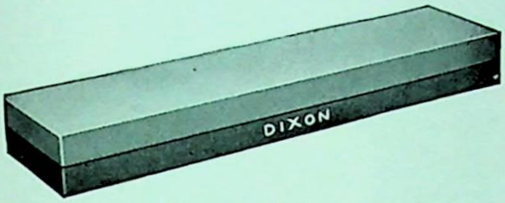


Fig. A 9543

CARBORUNDUM OR "ALOXITE" COMBINATION STONES

Made with one face of coarse and one face of very fine grit.

No. 109 Carborundum.
Size: 6" x 2" x 1"

No. 112 A Aloxite.
Size: 4" x 1¾" x ⅝"

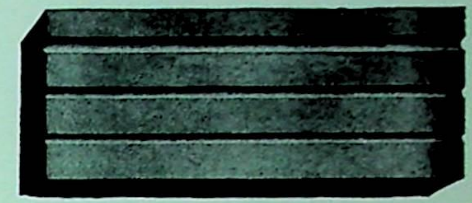


Fig. B 9543

CARBORUNDUM EXCAVATOR HONE

Grooved to take almost any size spoon excavator. Made in 3 grits, Fine, Medium, or Coarse.

No. 177 Size: 4" x 1½" x ½"

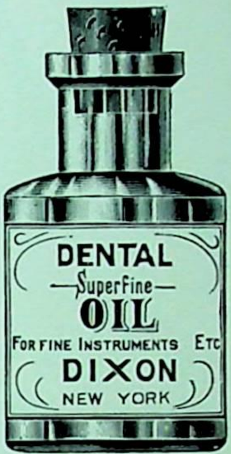


Fig. 9544

DENTAL ENGINE OIL

Put up in ¾ oz. bottles. Extra fine quality. White in color and odorless. Will not gum or stain.

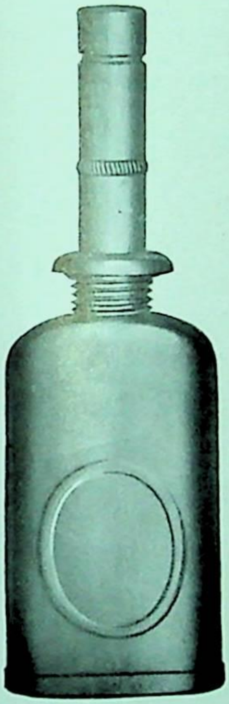


Fig. 9543

OIL CAN

Nickel plated. Illustration shows exact size.

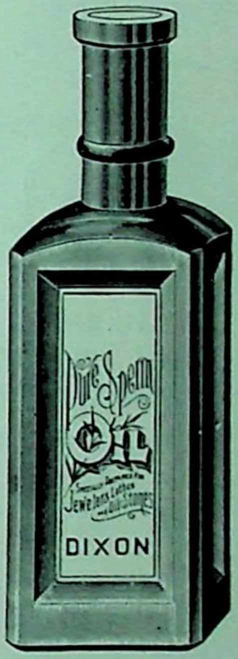

Pure Sperm
Oil
Jewelers Lathes and Oil Stones
DIXON

Fig. A 9544

DENTAL SPERM OIL

Put up in 1 oz. and 2 oz. bottles. Will not gum or stain.

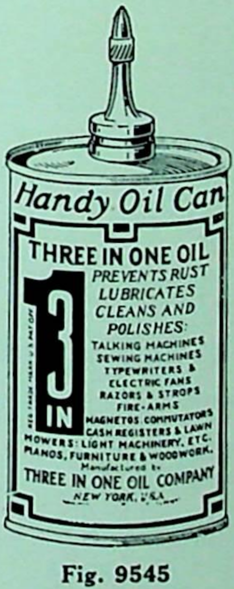


Fig. 9545

THREE-IN-ONE HANDY OIL CAN

Put up in 3 oz. cans.

MERCURY HOLDERS AND IVORIDE BLOCKS

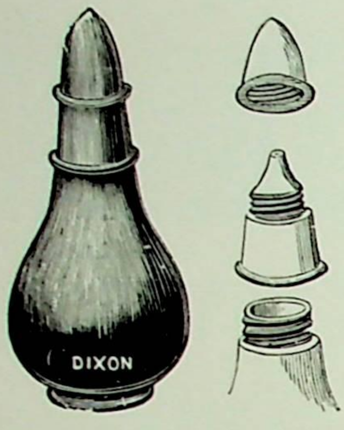


Fig. 9546 (No. 1)

HORN MERCURY HOLDERS

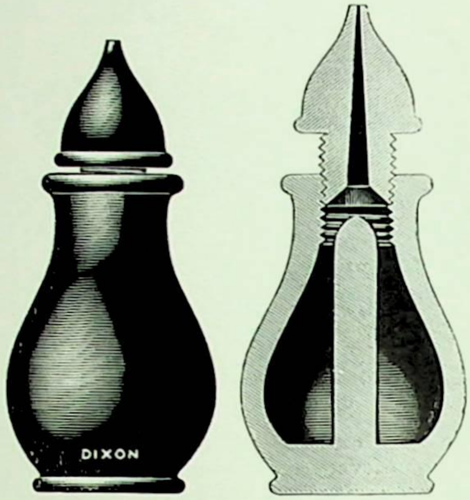


Fig. 9547 (No. 3)

EBONY MERCURY HOLDERS

Our No. 3 Mercury Holder will hold the mercury securely in case it is accidentally tipped over. It is so constructed that when opened for use a mere turn of the screw-cap closes it tight.

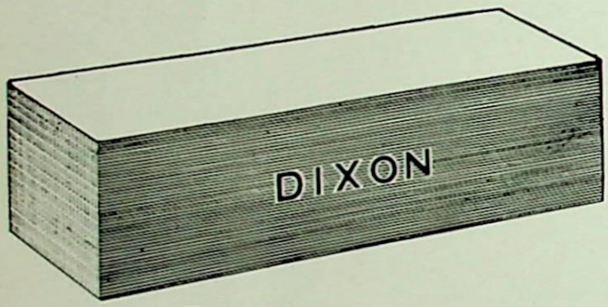


Fig. 9552

SOLID OBLONG IVORIDE BLOCKS

Size: 4⅛″ x 1¼″

Used by dental students for carving upper and lower sets of teeth.

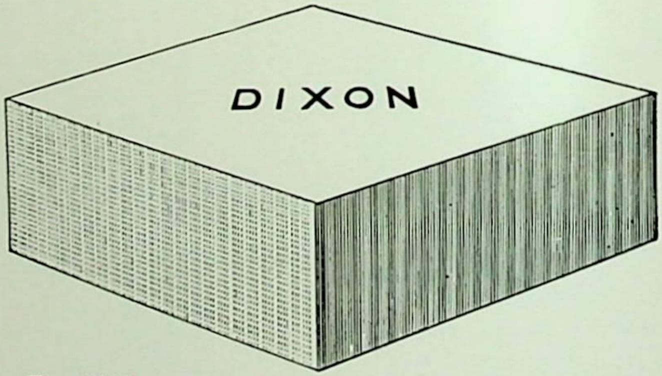


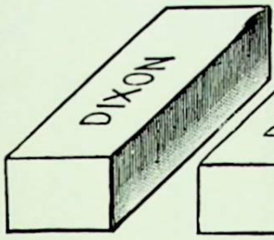
Fig. 9553

SOLID SQUARE IVORIDE BLOCKS

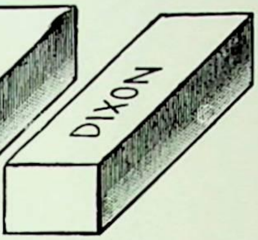
Size: 2½″ x 2½″ and 1¼″ Thick

Used by dental students for carving a full lower or upper set of teeth.

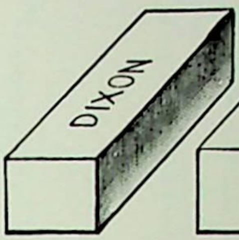
IVORIDE AND BONE BLOCKS



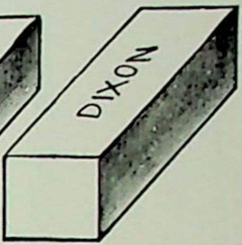
Nos. 1



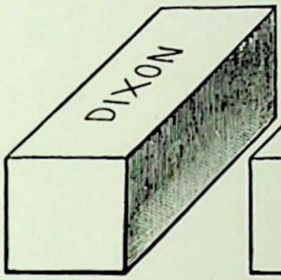
2



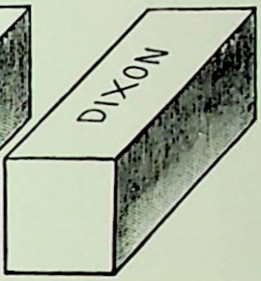
3



5



4



6

TENNY'S BLOCKS—PUT UP IN SETS OF FOUR AND SIX BLOCKS

Fig. 9548 IVORIDE BLOCKS

Set of 4, consisting of three blocks 1¼" x ⅜", and one block 1¼" x ½".

Fig. 9549 BONE BLOCKS

Set of 4, consisting of three blocks 1¼" x ⅜", and one block 1¼" x ½".

Fig. 9550 IVORIDE BLOCKS

Set of 6, consisting of four blocks 1¼" x ⅜", and two blocks 1¼" x ½".

Fig. 9551 BONE BLOCKS

Set of 6, consisting of four blocks 1¼" x ⅜", and two blocks 1¼" x ½".

◆

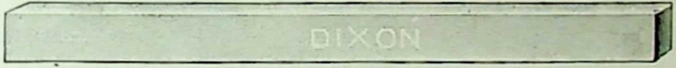


Fig. 9556

IVORIDE SQUARE SLIPS

Three Sizes:

4" x ¼" x ¼"　　4" x ⅜" x ⅜"　　4" x ½" x ½"

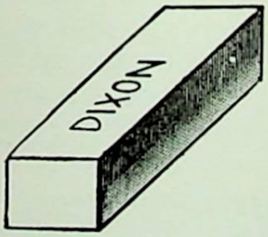


Fig. 9554
BONE BLOCKS

BONE AND IVORIDE BLOCKS

These Blocks are made in five sizes each, as follows:

1" x ¼" x ¼"
1" x ½" x ½"
1" x ⅜" x ⅜"
1¼" x ⅜" x ⅜"
1¼" x ½" x ½"

Other sizes furnished on request.

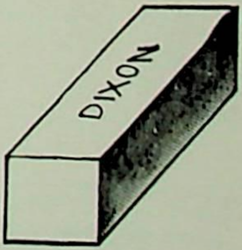


Fig. 9555
IVORIDE BLOCKS

BAND SOLDERING PLIERS AND FOIL CARRIERS

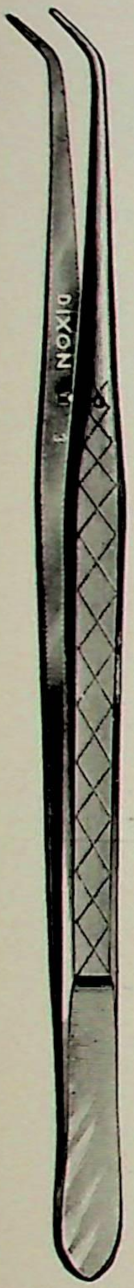


Fig. 9557 T
"COLLEGE PLIER"
(No. 11) Steel
One dozen in box

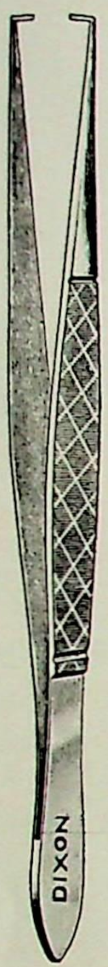


Fig. 9558 T
BAND SOLDERING PLIERS
Designed by Dr. Angle
One dozen in a box

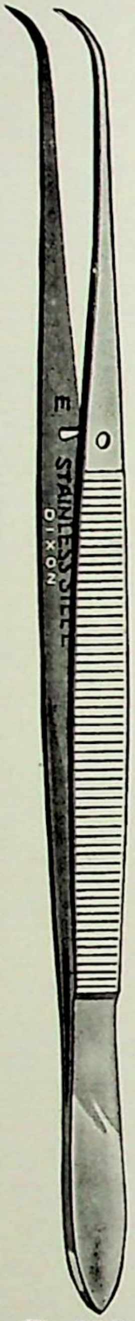


Fig. 9559 T
STYLE "E"
Stainless Steel
Individually boxed

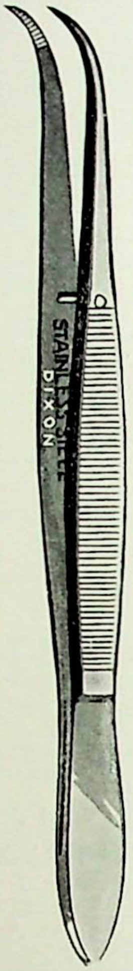


Fig. 9560 T
STYLE "F"
Stainless Steel
Individually boxed

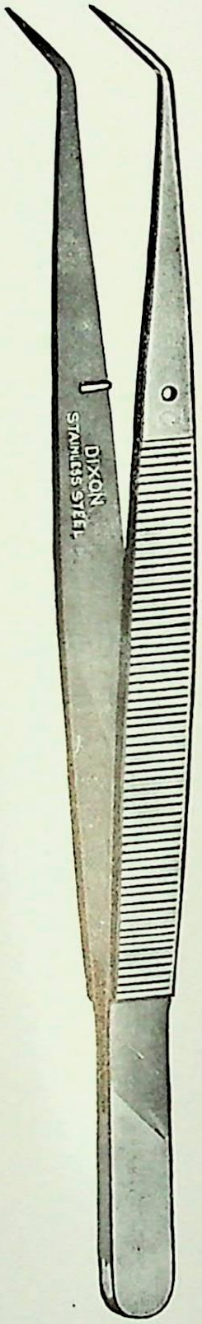


Fig. 9561 T
STYLE "C"
Stainless Steel
Individually boxed

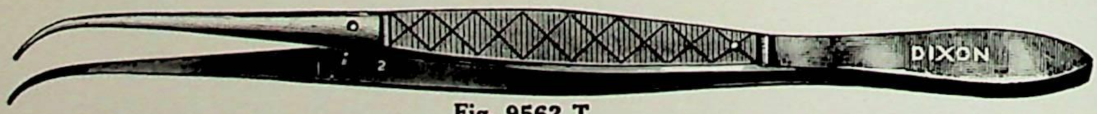


Fig. 9562 T
"DR. PERRY'S" (No. 12) STEEL
Packed one dozen to a carton.

FOIL CARRIERS AND SOLDERING TWEEZERS

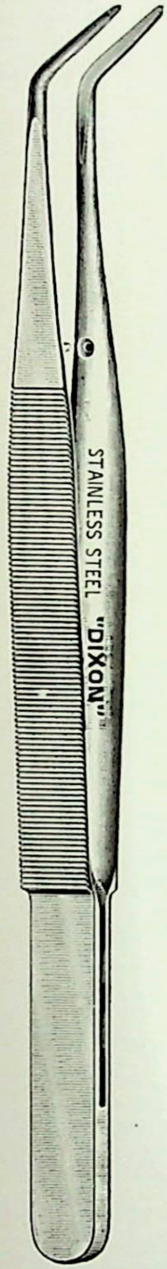


Fig 9563 T

STYLE "49"

Stainless Steel
Individually
boxed

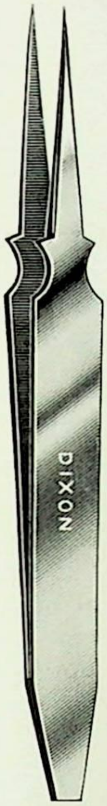


Fig. 9564 T

"A"
TWEEZERS

Nickel Plated

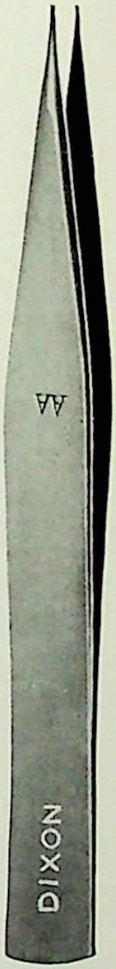


Fig. A 9565 T

"AA" TWEEZERS

High Grade, Nickeled.
Regular style, strong

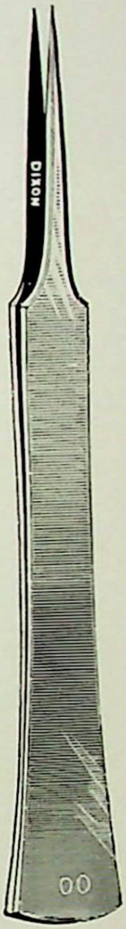


Fig. 9566 T

"OO"
TWEEZERS

Nickeled and
Highly Finished

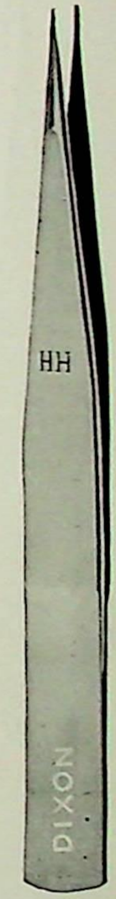


Fig. B 9567 T

"HH" TWEEZERS

High Grade, Nickeled.
Strong, sturdy, sensitive

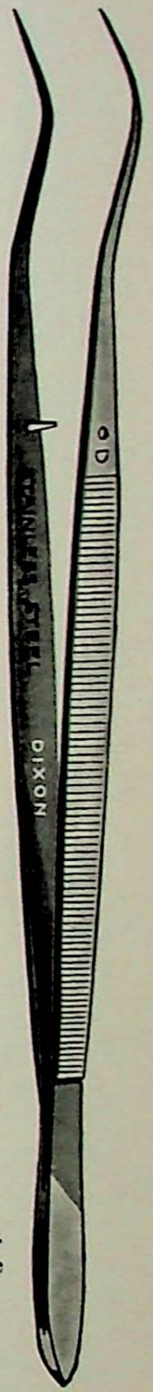


Fig. 9568 T

"Dr. Merriam's"
STYLE "D"

Stainless Steel
Individually boxed

SOLDERING TWEEZERS

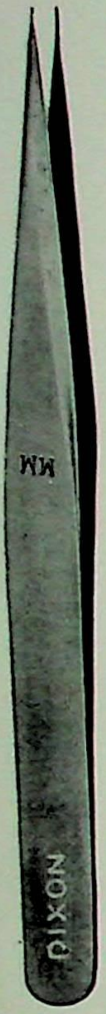


Fig. 9569 T

"MM" TWEEZERS

High Grade,
Nickeled

Strong and well proportioned. Long pointed style

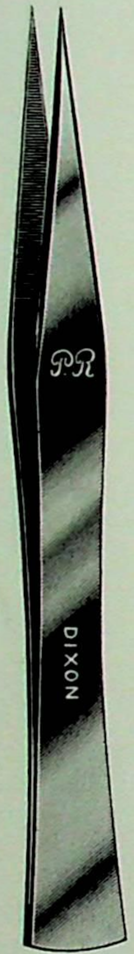


Fig. 9570 T

"PR" TWEEZERS

Nickeled and Highly Finished

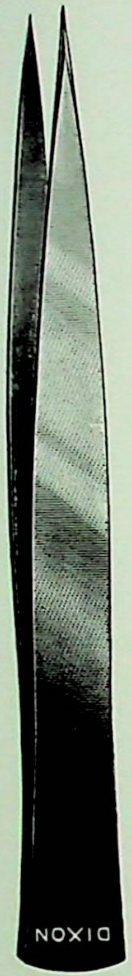


Fig. 9571 T

"E" TWEEZERS

Plain Finish,
Pointed

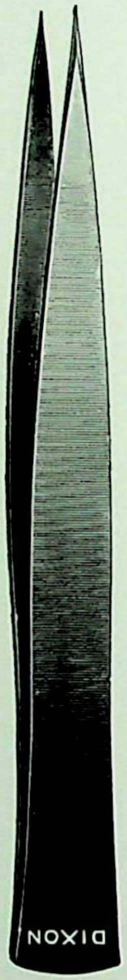


Fig. 9572 T

"F" TWEEZERS

Nickeled and Highly Finished

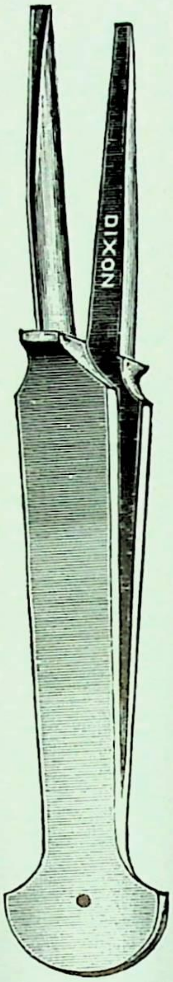


Fig. 9573 T

COMMON SOLDERING TWEEZERS

Made in two sizes:
4½" and 5"

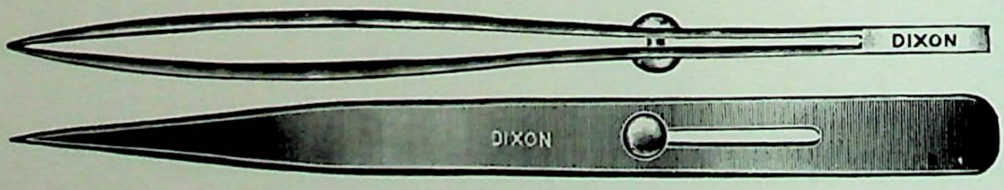


Fig. 9574 T

LOCKING TWEEZER "K"

SOLDERING TWEEZERS

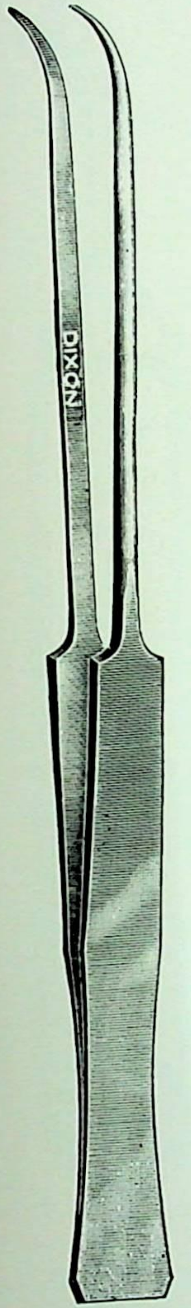


Fig. 9575 T

TWEEZERS "L"

Designed by Dr. H. J. Goslee
(No. 9)

Made of spring steel. Extreme length, 6½". Finished bright or nickel plated.

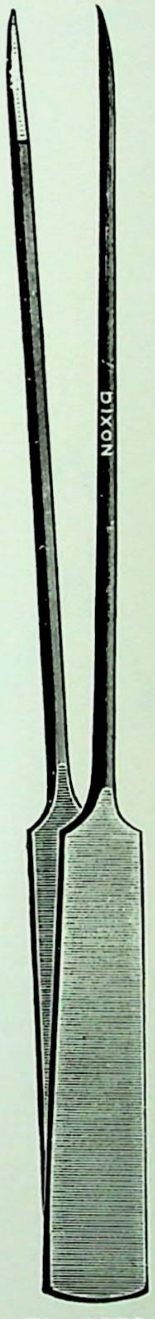


Fig. 9576 T

TWEEZERS "O"

Designed by Dr. H. J. Goslee
(No. 8)

Spring steel. Extreme length, 6½". Finished bright or nickel plated.

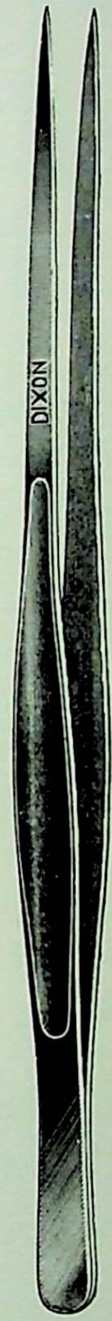


Fig. 9577 T

TWEEZERS

Solid steel, hand forged. Highly tempered points. Finely nickel plated throughout.

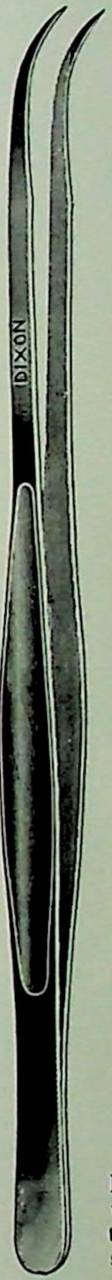


Fig. 9578 T

TWEEZERS

Solid steel, hand forged. Tempered points and finely nickel plated throughout.

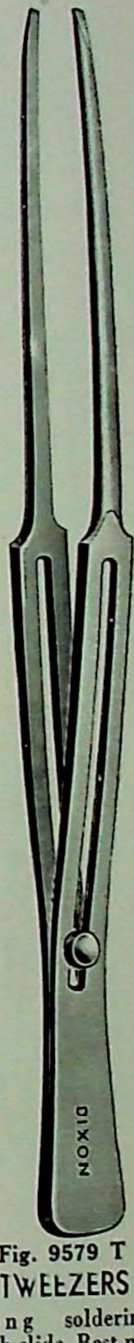


Fig. 9579 T

TWEEZERS

Long soldering, with slide. Best material and workmanship throughout. Nicely polished.

SOLDERING TWEEZERS

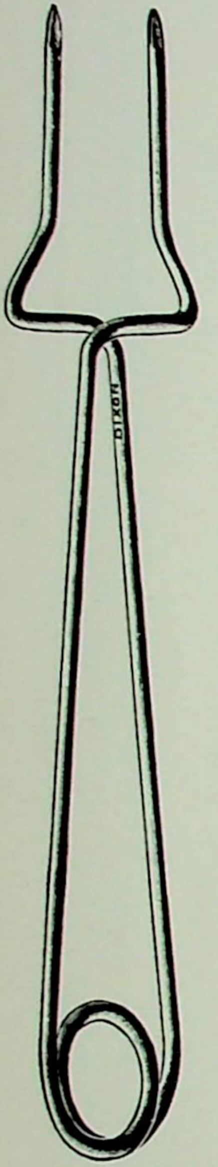


Fig. 9580 T

WIRE TWEEZERS

Straight Points
Length, 6″

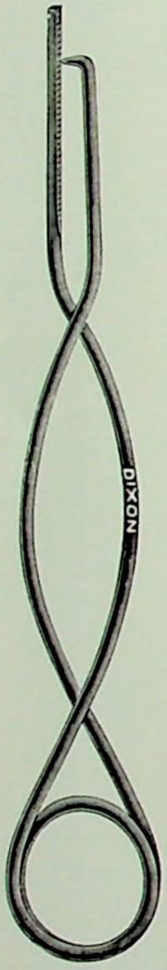


Fig. 9581 T

"REESE" WIRE SOLDERING TWEEZERS

Steel, Dull Nickel Finish
Length, 6″

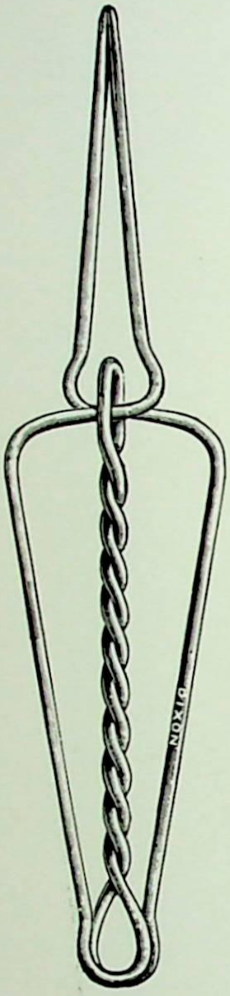


Fig. 9582 T
(No. 3)

WIRE TWEEZERS

Flat Points
Length, 6″
Nickeled

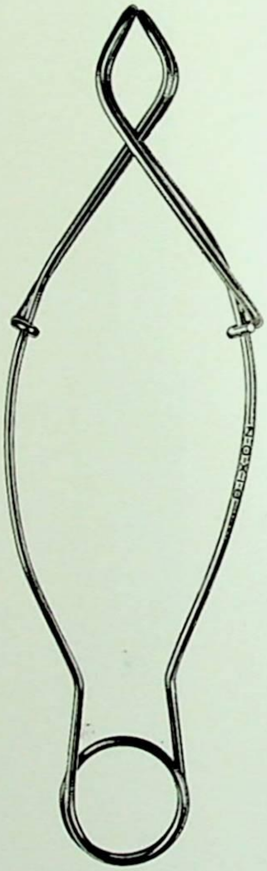


Fig. 9583 T

INVESTMENT OR INLAY TONG

Made of heavy coppered steel spring wire.
Length, 9″

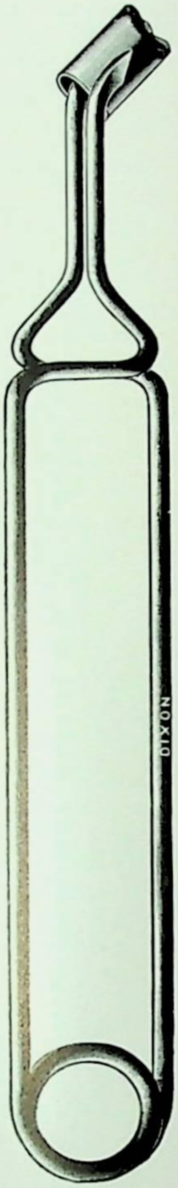


Fig. 9584 T

WIRE TWEEZERS

Curved Points
(Closed Position)
Length, 6″

SOLDERING TWEEZERS, COTTON HOLDER AND WASTE RECEIVER

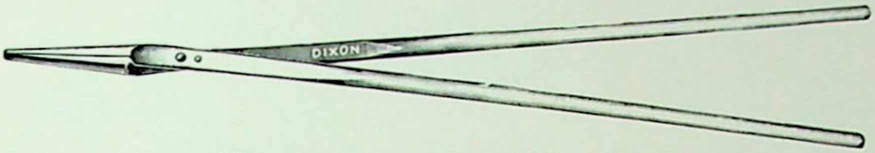
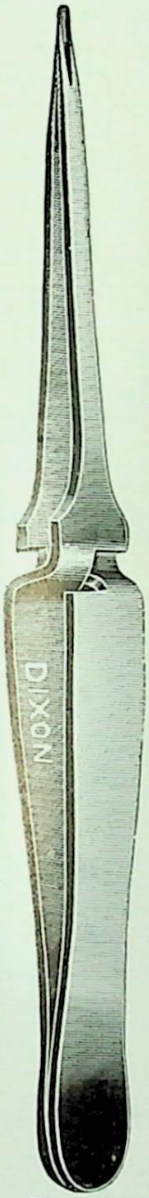


Fig. 9598
SOLDERING TONGS (G)
Designed by Dr. F. S. Belyea
Length, 8½″. Nickel dipped.



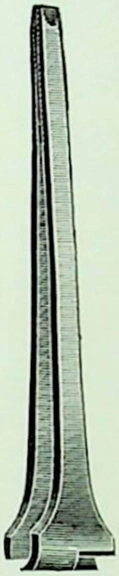


Fig. 9597

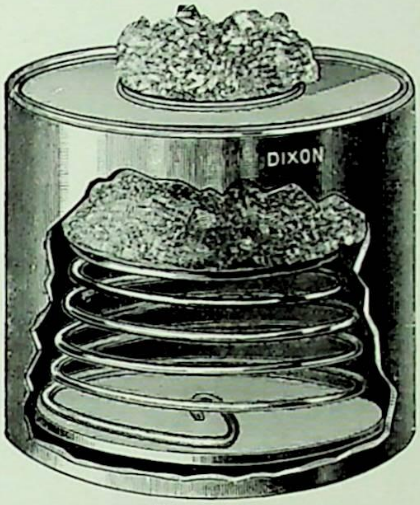


Fig. 9600
COTTON HOLDER
Brass, Nickel Plated

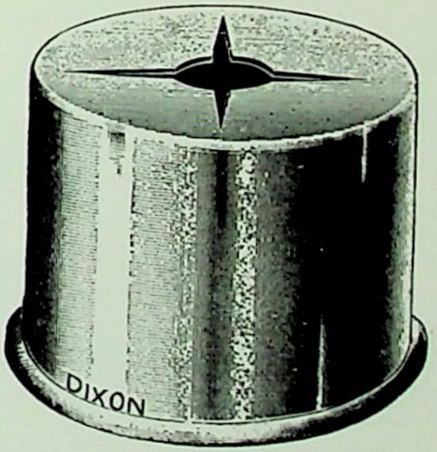


Fig. 9601
WASTE RECEIVER
Brass, Nickel Plated

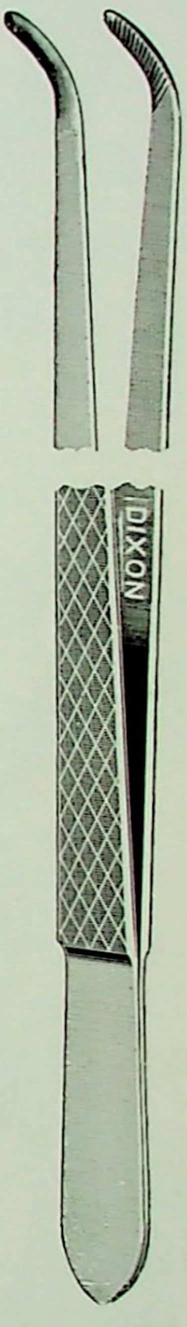


Fig. 9599
STEEL SOLDER TONGS
No. 176
Three Lengths:
7″ 9″ 12″

Fig. 9596
CROSS LOCKING SOLDERING TWEEZERS
Fig. 9596, Sharp Points
Fig. 9597, Blunt Points

ARTICULATORS

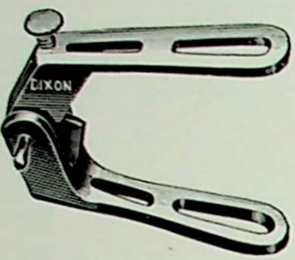


Fig. A 9605

CROWN AND BRIDGE ARTICULATOR

Cast brass, but of a lighter construction than Fig. A 9606. Height to top of screw, 1¾". Length, 3".

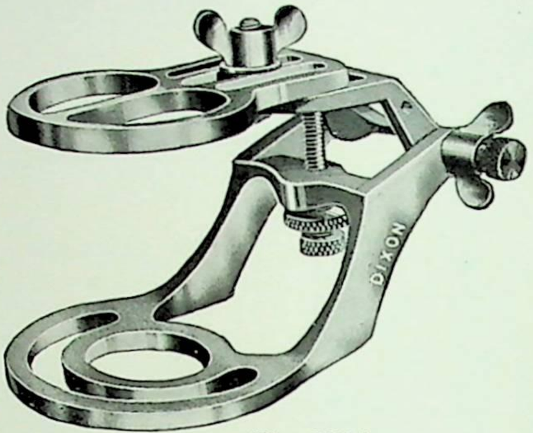


Fig. 9604

THE FOOL PROOF ARTICULATOR

Made of Bronze

A plain line Articulator that gives accurate results. Free from lateral movement, adjustable to high or low position. Has side adjusting screws.

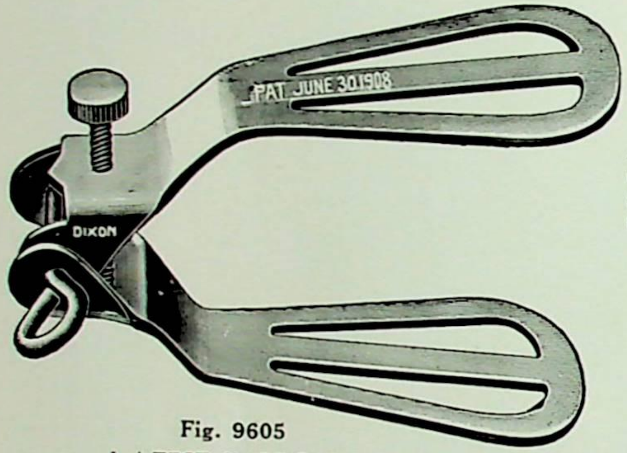


Fig. 9605

LATEST IMPROVED CROWN ARTICULATOR

Brass, Nickel Plated. Boxed individually

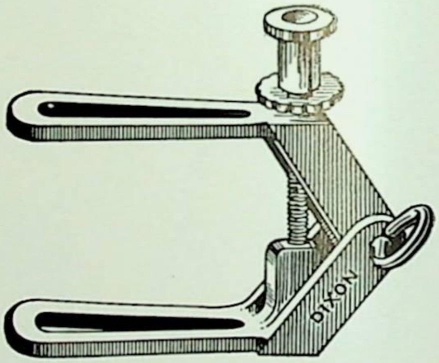


Fig. A 9606

CROWN AND BRIDGE ARTICULATOR

Made of cast brass, with lock nut. Height to top of screw, 2½". Length, 3". Substantially constructed.

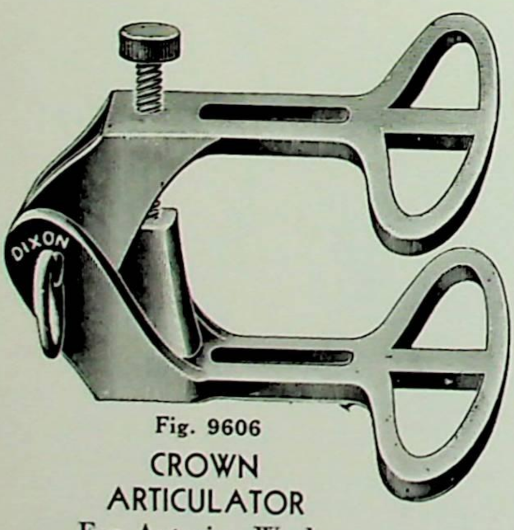


Fig. 9606

CROWN ARTICULATOR

For Anterior Work
Brass, Nickel Plated

ARTICULATORS

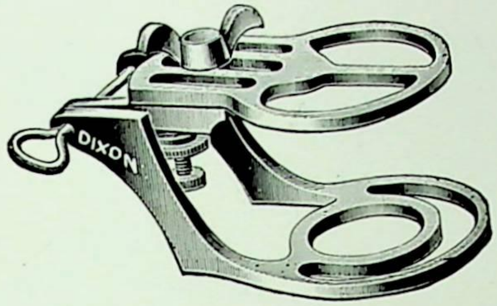


Fig. 9608

PLAIN LINE ARTICULATOR

Bronze
Steel, Nickel Dipped
Supplied in cartons of one dozen and in bulk.

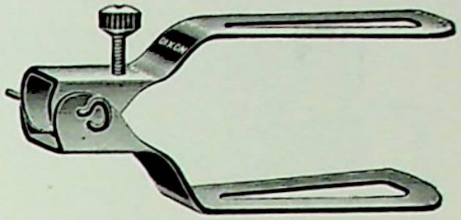


Fig. 9609

CROWN ARTICULATOR

Steel, Nickeled
Brass, Nickeled
Supplied boxed individually or in bulk.

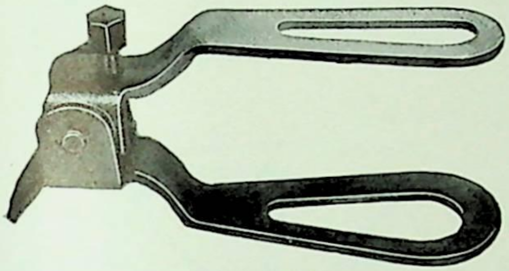


Fig. 9611

FIELD'S ARTICULATOR

Made of $\frac{3}{32}$″ high grade steel, with rust proof plating. Has important time saving features. Will give long time satisfactory service.

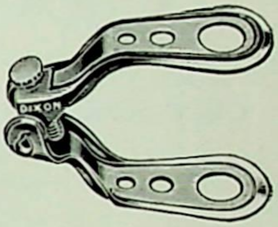


Fig. 9610

CROWN ARTICULATOR

Brass, Nickeled

Supplied boxed individually or in bulk.

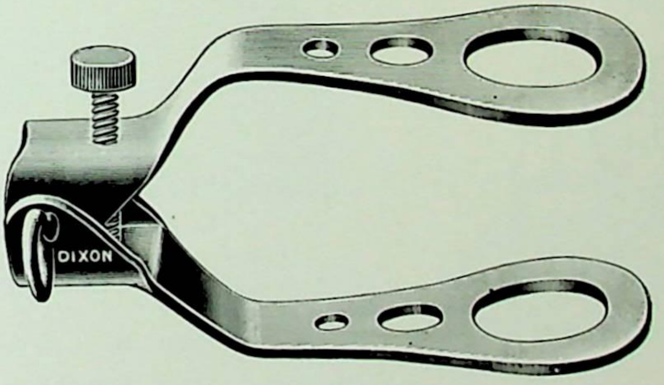


Fig. 9613

CROWN ARTICULATOR

Made of steel, nickel plated. Strong, but inexpensive. Boxed individually or in bulk.

SCALES AND WEIGHTS

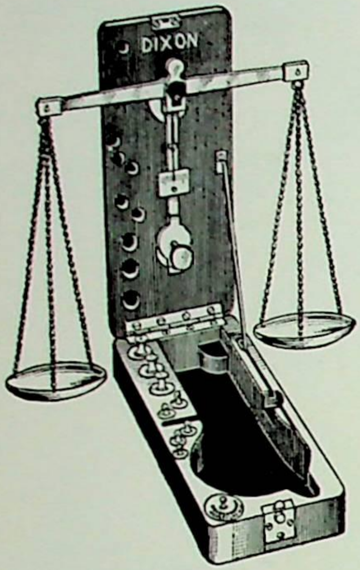


Fig. 9617

UPRIGHT POCKET GOLD SCALES

Mahogany box; pans 3″ in diameter, with a full set of weights, 2 oz. to ¼ grain—5 oz. in all.

Size of box, 9″ x 4″ x 1⅝″.

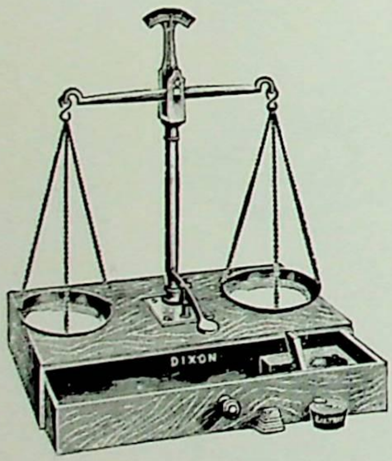


Fig. 9618

COMMON GOLD SCALES

With complete set of weights.
Four sizes: Capacities 2, 4, 6 and 8 ounces.

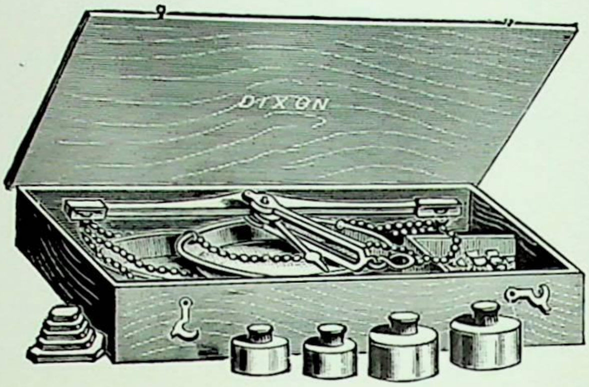


Fig. 9619

COMMON HAND SCALES IN OAK BOX

With complete set of weights for each capacity.

Six sizes: Capacities 1, 2, 3, 4, 6 and 8 ounces.

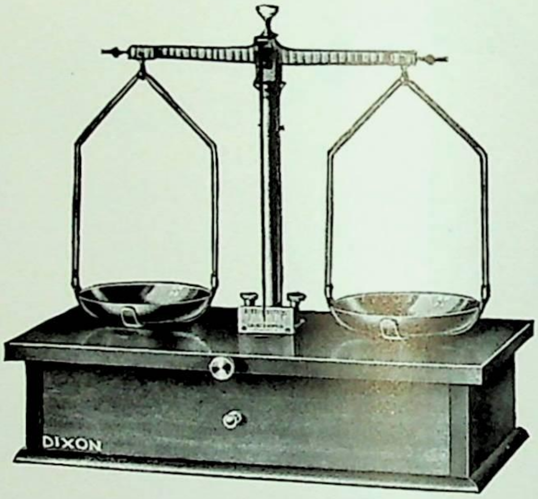


Fig. 9620

HIGH GRADE GOLD SCALES ON CABINET

Metal parts made of brass, lacquered. Highly finished. Movable pans. Improved lever for lifting. Adjusting screws on end of beam.

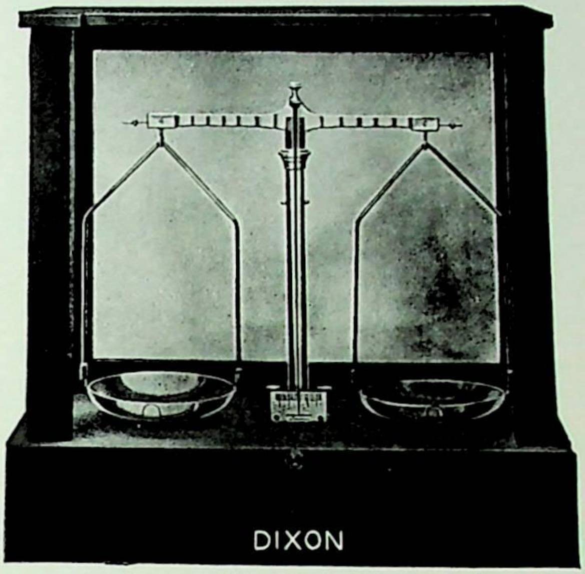
Prices do not include weights

Scale No.	Diam. Pans	Length Beam	Capacity Each Pan	Length Cabinet
0	3½″	7″	8 ozs.	12″
1	4″	8″	16 “	13½″
2	4½″	9″	30 “	15″
3	5½″	10″	50 “	17½″
4	7″	12″	64 “	20″

SCALES AND FINE TROY WEIGHTS

Precision Scales

Highest Grade Prices do not include weights. For weights see following pages.



Regularly furnished with front door, but can be supplied with front and rear doors.

Fig. 9621

GOLD SCALES IN GLASS CASE

Scale Number	Diameter Pans	Length Beam	Capacity Each Pan	Length Box
0	3½″	7″	8 oz.	12″
1	4″	8″	16 "	13½″
2	4½″	9″	30 "	15″
3	5½″	10″	50 "	17½″
4	7″	12″	64 "	20″

FINE TROY WEIGHTS for GOLD AND SILVER

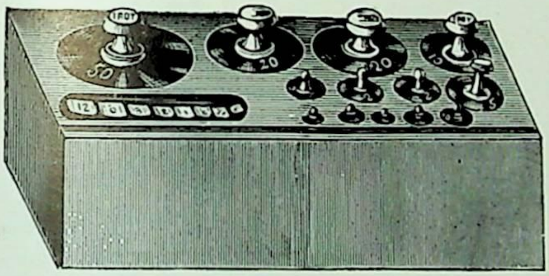


Fig. 9622

Accurately Tested

Finely Finished

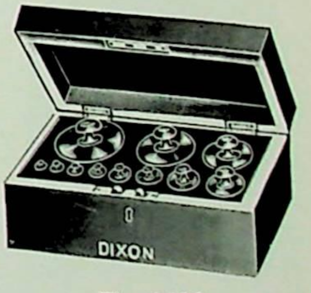


Fig. 9623

Each set in a handsomely finished wood box or block.

Divided Ounces, Pennyweights and Grains	No. 42	One	1 oz.	piece down to	¼	grain.	Capacity 2 oz.
	No. 43	One	2 oz.	" " "	½	"	" 4 oz.
	No. 44	Two	2 oz.	" " "	½	"	" 6 oz.
	No. 45	One	5 oz.	" " "	½	"	" 10 oz.
	No. 46	One	10 oz.	" " "	½	"	" 20 oz.
	No. 47	One	20 oz.	" " "	½	"	" 40 oz.
	No. 48	Two	20 oz.	" " "	½	"	" 60 oz.

Note: Avoid errors by ordering by figure, also set numbers.

TROY WEIGHTS—DIXON'S MOULDING OUTFIT

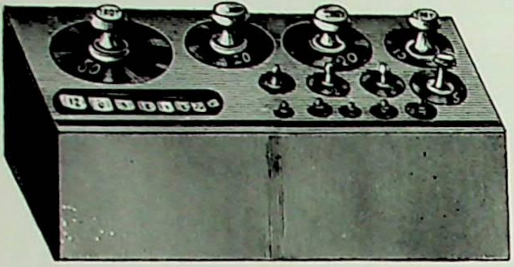


Fig. 9624

COMMON TROY WEIGHTS

Brass—In Sets

Accurately tested but roughly finished. Each set is mounted in a walnut block, oil finished.

Number	Cap.	Divs.	
No. 42A.	2 oz.	1 oz.	Down to ½ Grain Each Set
No. 43A.	4 oz.	2 oz.	
No. 44A.	8 oz.	4 oz.	
No. 45A.	10 oz.	5 oz.	
No. 46A.	20 oz.	10 oz.	

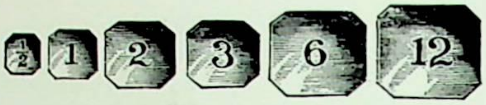


Fig. 9625

ALUMINUM GRAIN WEIGHTS

Concave Sheet Aluminum in Paper Boxes
In Sets—12 to ½ Grain

Fig. A 9624

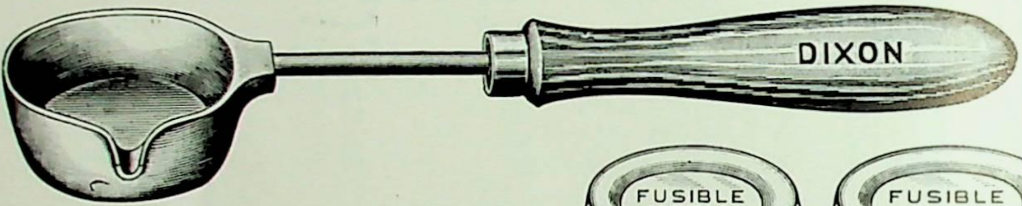
COMMON TROY WEIGHTS

Brass—Sold Singly

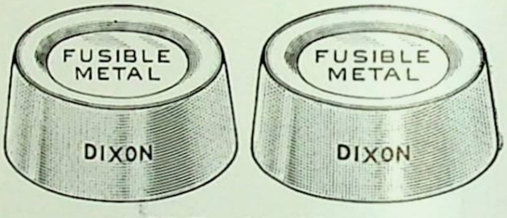
Furnished in following weights: 10 oz., 5 oz., 4 oz., 2 oz., 1 oz., 10 pwt., 5 pwt., 2 pwt., 1 pwt.

⁂

DIXON'S MOULDING OUTFIT



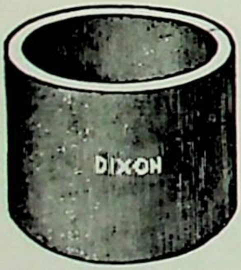
"H" No. 8 Ladle



"G" Fusible Metal
Two Ounce Ingots

Fig. 9626

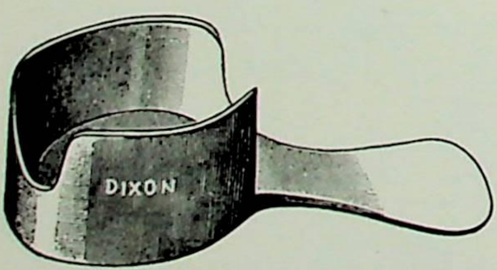
COMPLETE OUTFIT



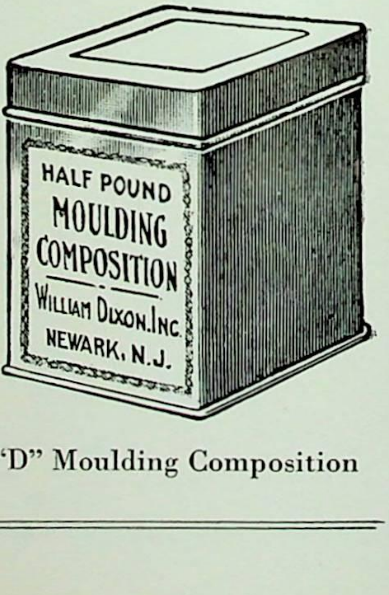
"F" Rubber Ring

All enclosed in a box containing one-half pound Moulding Composition, one Impression Tray, one Ring, two ingots of Fusible Metal and a Ladle.

Sold in
Sets or
Single
Parts



"E" Impression Cup



"D" Moulding Composition

RUBBER DAM HOLDER, WEIGHTS, FORCEPS & PUNCH

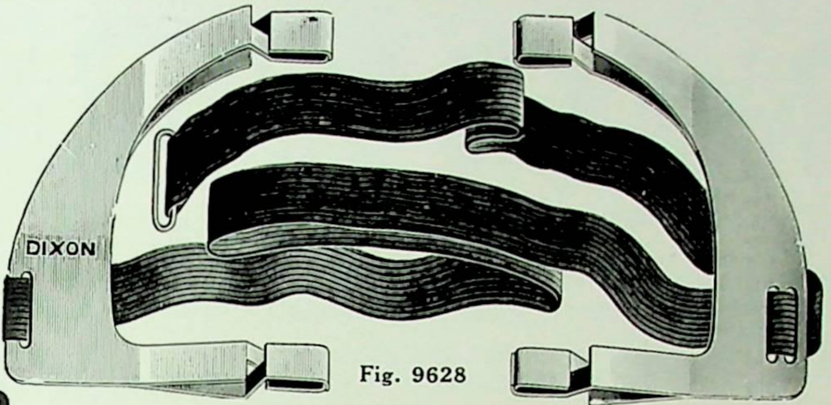
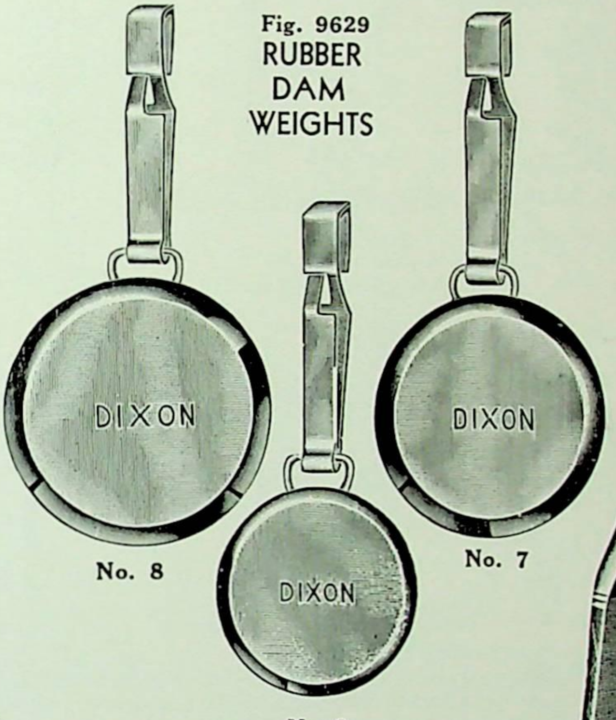


Fig. 9628

No. 1 RUBBER DAM HOLDER

Fig. 9629
RUBBER
DAM
WEIGHTS



No. 8

No. 7

No. 0

No. 8 is $1\frac{5}{16}''$ in diameter; No. 7, $1\frac{3}{16}''$; No. 0, $1\frac{1}{16}''$. All have the Cross Action Clip, which gives a firm grip on the Dam. Nickel plated all over.

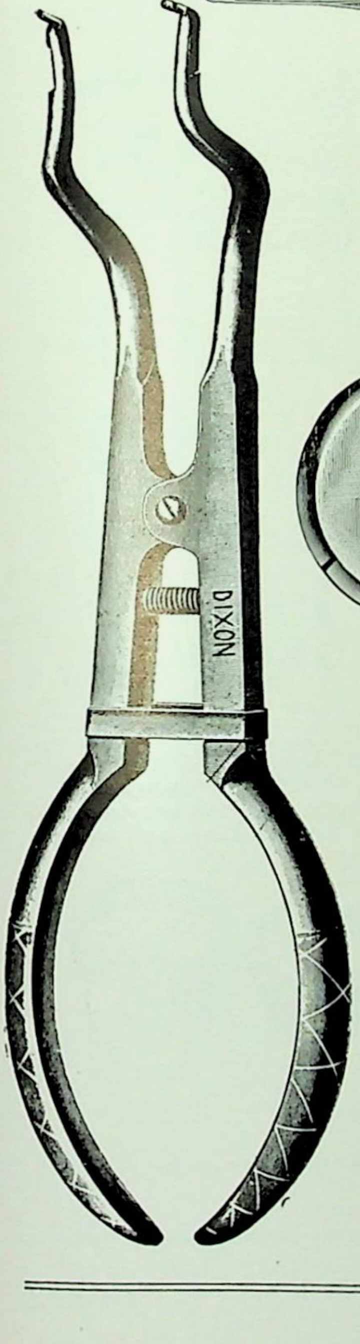


Fig. 9627

BREWER
RUBBER
DAM
CLAMP
FORCEPS

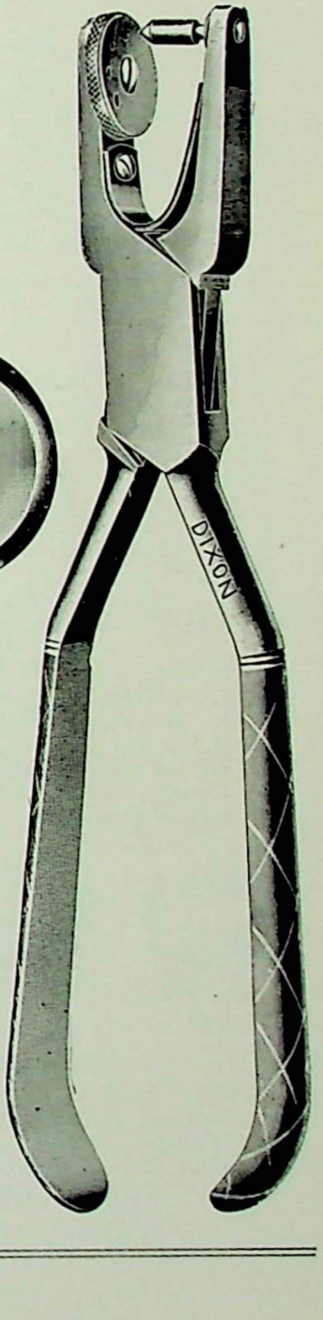


Fig. 9632

AINS-
WORTH
RUBBER
DAM
PUNCH

RUBBER DAM CLAMPS

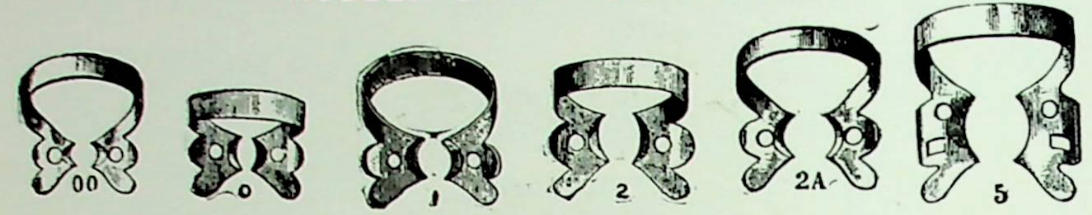


Fig. 9633 RUBBER DAM CLAMPS

No. 00. Very small bicuspid, used also as a lateral incisor.
No. 0. Small bicuspid, also used frequently on lateral incisors and cuspids.
No. 1. Bicuspid clamp festooned in the jaws to hold rubber and gum deep on neck of tooth.
No. 2. Bicuspid, general.
No. 2A. For superior bicuspids and small third molars.
No. 5. Designed for superior molars, modeled after the Tee's festoon clamp.

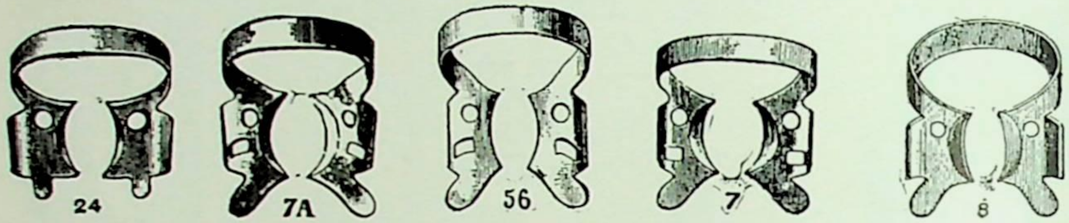


Fig. 9634 RUBBER DAM CLAMPS

No. 7. Designed for inferior molars generally.
No. 8. (Festooned.) For superior molars, generally.
No. 24. Inferior molars, small size.
No. 7A. Inferior molars, large size.
No. 56. Inferior molars, stiff spring, general use.

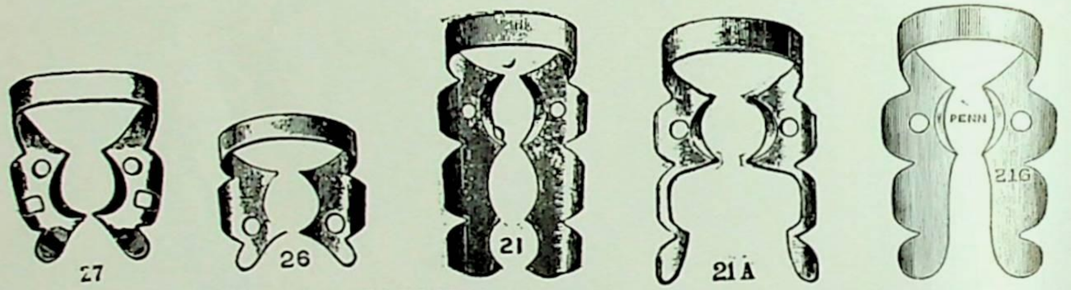


Fig. 9635 RUBBER DAM CLAMPS

No. 27. For special use, bow extending far back of tooth.
No. 26. A flat jawed inferior third molar clamp, also superior molars.
Nos. 21, 21A, 21G. Are designed to carry the rubber, and to fill a simple crown cavity. The projecting arms to hold the rubber down, so as to do away with the necessity of attaching rubber to more than the one tooth; and is also designed to hold cotton or napkin for plastic fillings and treatment of roots, etc.

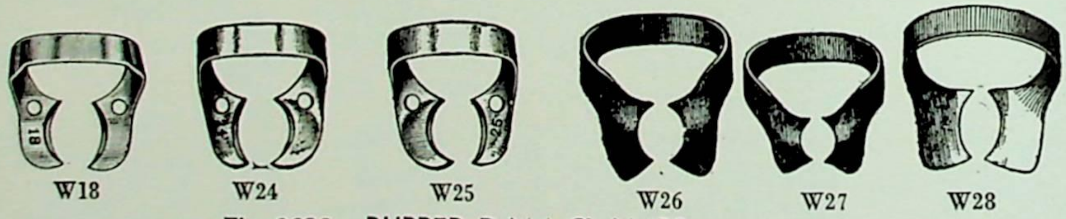
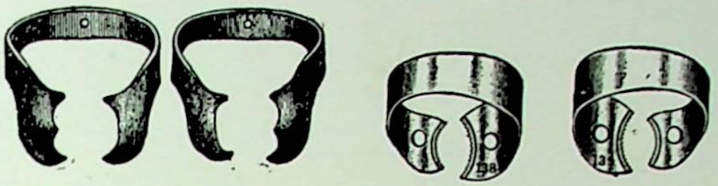


Fig. 9636 RUBBER DAM CLAMPS

No. W18. Dr. Delos Palmer's molar clamp.
Nos. W24 and W25. Dr. Delos Palmer's right and left for cavities under the gums on the buccal or lingual surfaces of molars.
No. W26. Dr. Ambler Tee's festooned for molars with deeply festooned gums.
No. W27. Dr. Ambler Tee's festooned clamp.
No. W28. Dr. Ambler Tee's "Broad Flange".

CLAMPS, SEPARATORS AND RUBBER CUPS



W30 W31 W138 W139

Fig. 9637 RUBBER DAM CLAMPS

Nos. W30 and W31. Dr. W. W. Evan's "Beaked Molars".

Nos. W138 and W139. Dr. G. V. Black's for use on third molars, which are difficult, and on buccal cavities extending below the gingival line in molars.

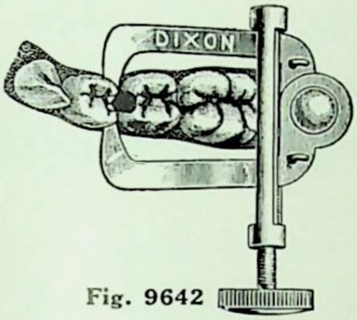


Fig. 9642

DR. ELLIOT'S SEPARATOR

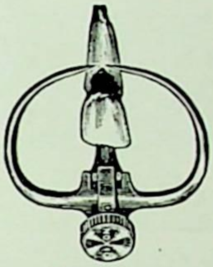


Fig. 9643

HATCH CERVICAL RUBBER DAM CLAMP

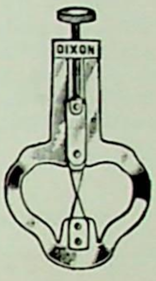


Fig. 9644

UNIVERSAL DOUBLE BOW SEPARATOR

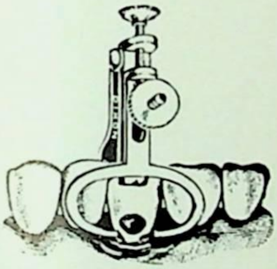


Fig. 9645

BABCOCK CERVIX CLAMP

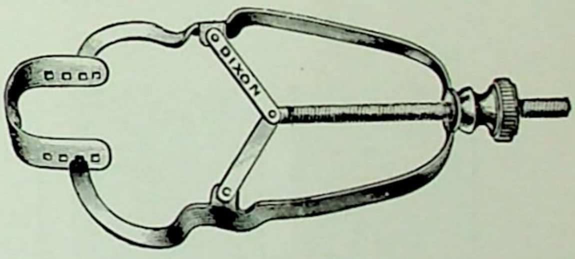
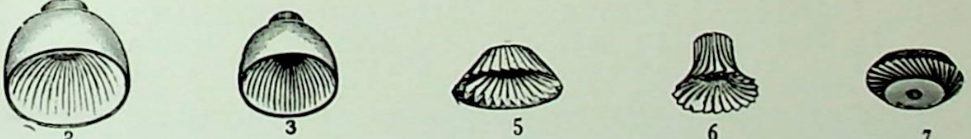


Fig. 9646

MATRIX RETAINER No. 1



2 3 5 6 7

Fig. 9647

TOOTH POLISHING CUPS, DISCS AND POINTS

Made of Soft Corrugated Rubber

METALS — BOWLS — MECHANICAL SPATULATORS

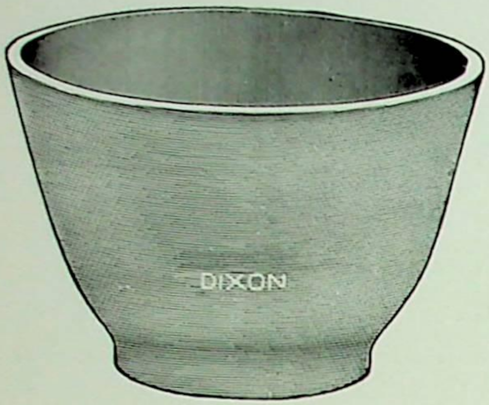


Fig. 9648

PLASTER BOWLS

These Bowls are made of gray rubber. They have a smooth, even finish, and are very flexible. They will not crack or tear when in use. Small size, 3″ diameter at top. Medium size, 4⅛″ diameter at top. Large size, 4⅝″ diameter at top.

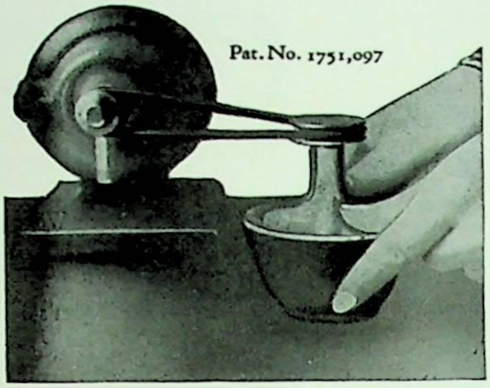


Fig. A 9648

MECHANICAL SPATULATOR

The propeller shaped blade of aluminum not only mixes but spatulates. This spatulator can be attached to any dental lathe or engine. It produces thick, cream-like investment in 10 seconds. Sturdily built for long service.

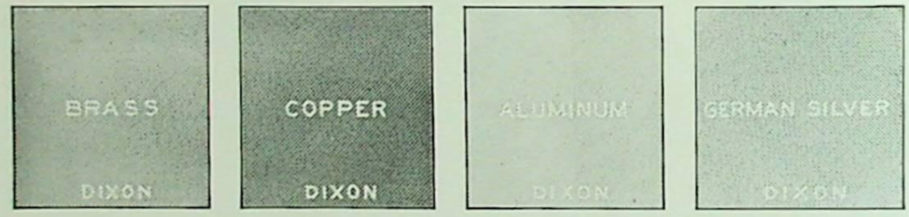
AIR CHAMBER METAL

Thick	Medium	Thin
No. 15	No. 17	No. 19

B. & S. Gauge

Furnished in ½ lb. packages and in 25 lb. rolls.

Fig. 9657



SHEET METALS

BRASS	COPPER	ALUMINUM	GERMAN SILVER
Fig. 9649	**Fig. 9651**	**Fig. 9653**	**Fig. 9655**
6″ x 6″	6″ x 6″	6″ x 6″	6″ x 6″
Fig. 9650	**Fig. 9652**	**Fig. 9654**	**Fig. 9656**
4″ x 4″	4″ x 4″	4″ x 4″	4″ x 4″

Furnished in the following sizes, B. & S. Gauge:

18, 20, 22, 24, 26, 28, 30, 32, 34, 36

Note: To avoid errors, order by figure number, and be sure to give gauge number also.

BASE METAL, FUSIBLE METAL AND WIRE

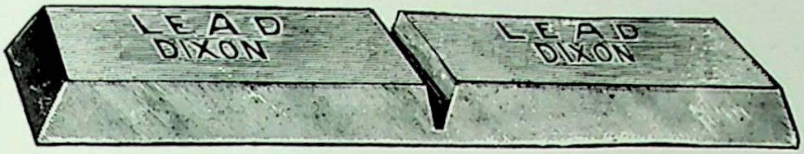


Fig. 9658

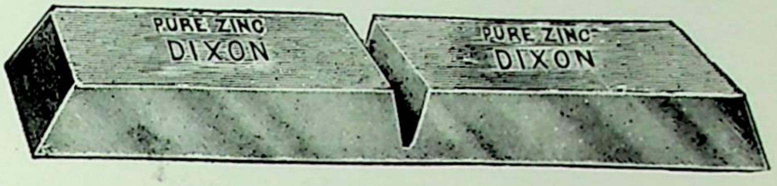
LEAD

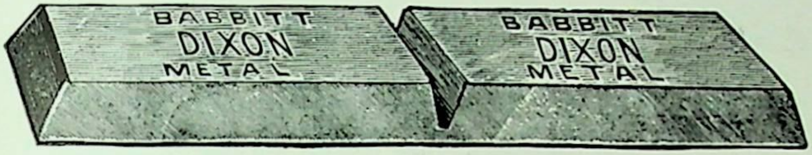
1 pound ingots.

Fig. 9659

ZINC

1 pound ingots.





BABBIT

Fig. A 9660
A. Quality

Fig. B 9660
B. Quality

1 pound ingots

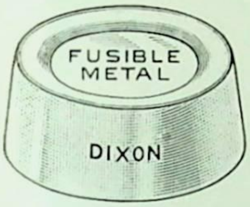


Fig. C 9660

LOW FUSIBLE METAL

Melotte's Formula

COPPER MATRIX METAL

Envelopes Contain Six Sheets, 6 x 3 Inches

No. 36 or No. 38 B. & S. Gauge

Fig. 9662

FINEST QUALITY — 5 SIZES—ASSORTED

PIANO WIRE FOR THE COFFIN SPLIT PLATE

12 PIECES ASSORTED GAUGES IN BOX — **Fig. 9665**

Fig. 9666

NICKEL SILVER WIRE

Sizes 14, 16 and 18 B. & S. Gauge. Cut in 12-inch lengths. Put up in bundles of twelve pieces.

TIN FOIL AND CELLOPHANE

CHEMICALLY PURE TIN FOIL . . . .

In Rolls 6 Inches Wide

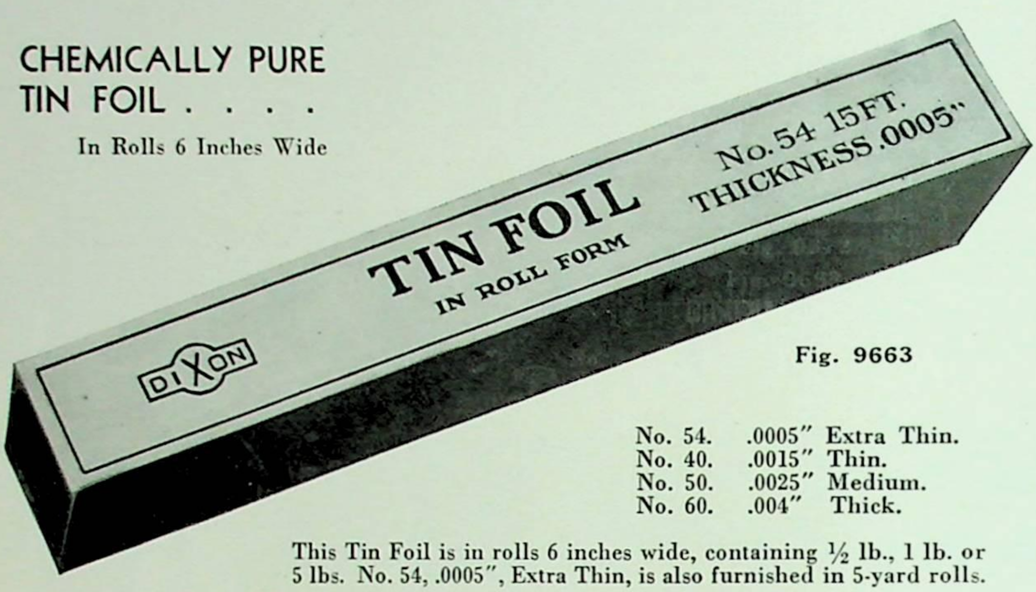


Fig. 9663

No. 54.	.0005″	Extra Thin.
No. 40.	.0015″	Thin.
No. 50.	.0025″	Medium.
No. 60.	.004″	Thick.

This Tin Foil is in rolls 6 inches wide, containing ½ lb., 1 lb. or 5 lbs. No. 54, .0005″, Extra Thin, is also furnished in 5-yard rolls.

◆

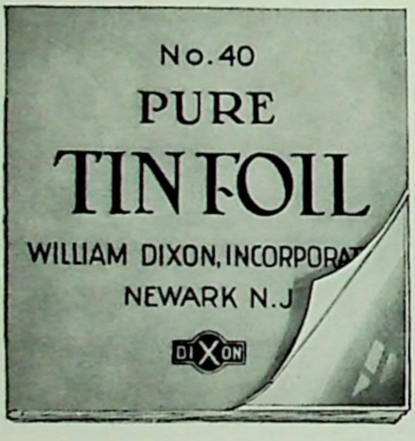
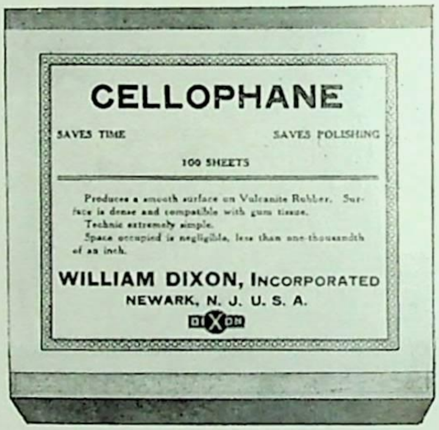


Fig. A 9663

TIN FOIL

Put Up in Book Form

Each book contains 25 sheets of either No. 40 or No. 60 Tin Foil. Sheets are cut to size 4″ x 4″. This is an improved method of packing Tin Foil in small quantities.



Produces a smooth surface on Vulcanite Rubber. Surface is dense and compatible with gum tissue.

Technic extremely simple.

Space occupied is negligible, less than one-thousandth of an inch.

Fig. 9664

CELLOPHANE

Put Up in Boxes of 100 Sheets, also in Bulk Packages of 1000 Sheets or More

Handy Cellophane sheets are extremely thin (less than one-half thousandth of an inch), thus occupying very negligible space.

BINDING WIRE AND BASE PLATES

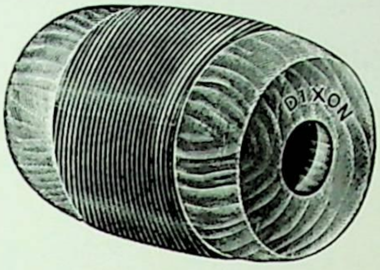


Fig. 9672

BINDING WIRE

One-Ounce Spools

W. & M. Gauge: 26, 28, 30, 32, 34, 36

B. & S. Gauge: 25, 26, 27, 28, 30, 31

Iron Wire, Black; Copper Wire; Brass Wire

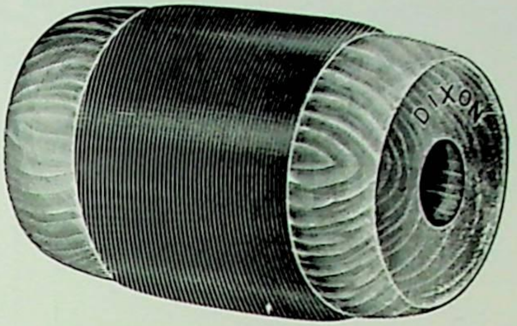


Fig. 9673

BINDING WIRE

Four-Ounce Spools

W. & M. Gauge: 26, 28, 30, 32, 34, 36

B. & S. Gauge: 25, 26, 27, 28, 30, 31

Iron Wire, Black; Copper Wire; Brass Wire

Note: The sizes of Binding Wire are gauged according to the Washburn & Moen Standard Wire Gauge. All wire is furnished marked with the W. & M. gauge numbers, but for your convenience we have listed the equivalent B. & S. gauge numbers.

◆

DR. J. C. GRAFT'S SUPERIOR BASE PLATES

Rigid as Metal—Plastic as Wax

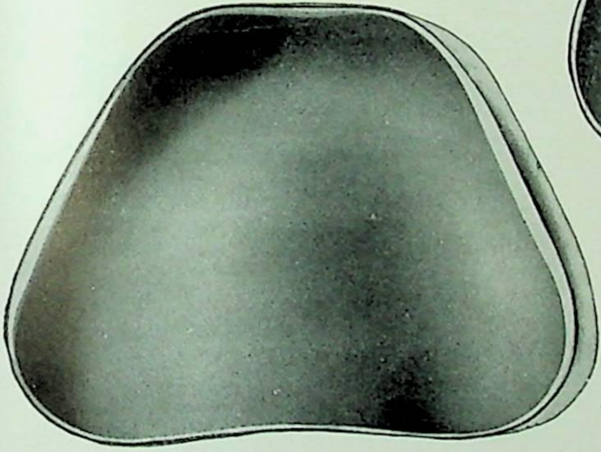


Fig. 9674

UPPER

Dr. Graft's Base Plates are packed in boxes of one dozen uppers or lowers, or assorted. When ordering, specify which is wanted.

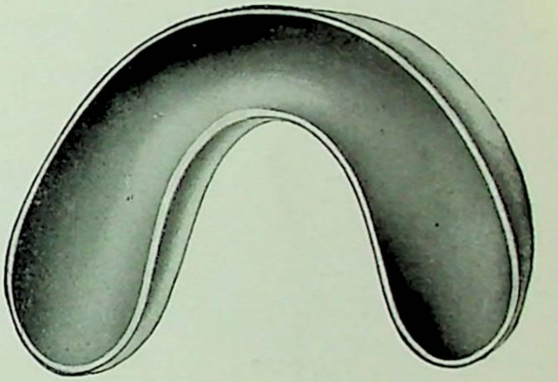


Fig. 9675

LOWER

Dr. Graft's Base Plates are plastic as wax and as rigid as metal.

In conforming the plate to the mould use a napkin or cloth to press into shape so as to eliminate the possibility of burning the fingers if the plate should be too hot. To insure a perfect fit press in the edges with a piece of rubber or rubber eraser.

BIBULOUS AND ARTICULATING PAPER
TERRAPLASTICA

DIXON
"QUALITY"
DENTAL
PRODUCTS

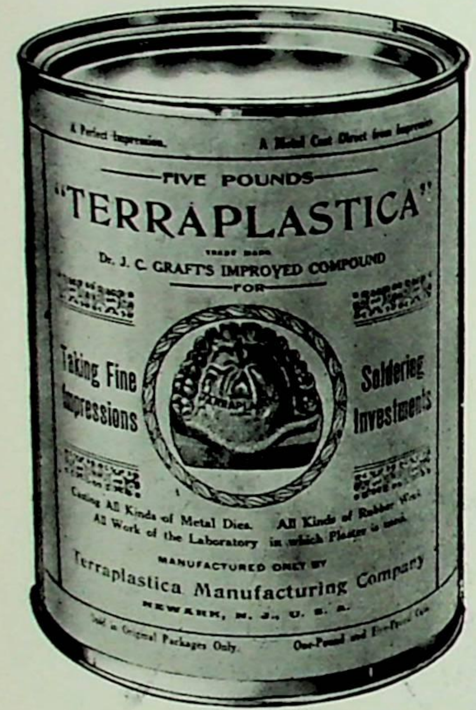

A Perfect Impression.
A Metal Cast Direct from Impression
FIVE POUNDS
"TERRAPLASTICA"
TRADE MARK
Dr. J. C. GRAFT'S IMPROVED COMPOUND
FOR
Taking Fine Impressions
Soldering Investments
Casting All Kinds of Metal Dies.
All Work of the Laboratory
All Kinds of Rubber Work
in which Plaster is used.
MANUFACTURED ONLY BY
Terraplastica Manufacturing Company
NEWARK, N. J., U. S. A.
Sold in Original Packages Only.
One-Pound and Five-Pound Cans

Fig. 9679

TERRAPLASTICA

Order in cans of following sizes:
1 lb., 5 lbs., 10 lbs. and 25 lbs.

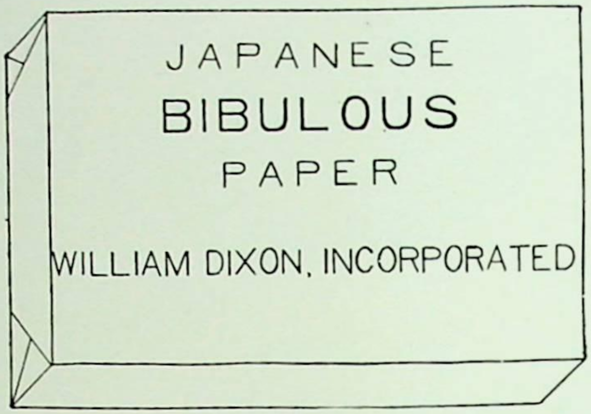


Fig. 9677

JAPANESE BIBULOUS PAPER

Put up in 100 and 500 sheet packages.

* * *

. . . . TERRAPLASTICA . . . .
is unequalled for casting of metal dies; for swaging gold and platinum plates for continuous gum work. Terraplastica does away with the use of all kinds of moulding sand, being devoid of grit. Terraplastica is not affected by any degree of heat, therefore absolutely no shrinkage occurs.

New and Improved Terraplastica for
Gold Work

Perfect gold castings can be made in water of warm temperature. For perfect elimination of wax, use electric heater.

THE BENEFITS FROM TERRAPLASTICA ARE MANIFOLD!

"DIXON'S" BRAND

ARTICULATING PAPER

Put Up in Books Containing 12 Sheets of Thin or Thick Paper
FOR SALE AT ALL GOOD DENTAL DEPOTS

Fig. 9678

LIBRARY
MAY 24 1948
U S PATENT OFFICE

PIN AND HAND VISES

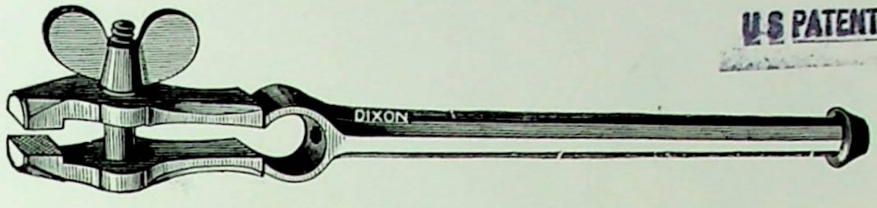


Fig. 9685 HOLLOW PIN VISE, No. 1

Has spring jaws controlled by a screw and wing nut. Bright finish.

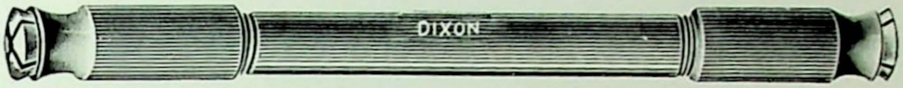


Fig. 9686 DOUBLE END PIN VISE

A very useful vise. The opening at one end can be varied from .046 to .081. The other end opens from entirely closed position to .081.

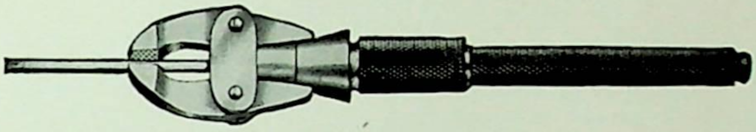


Fig. 9687 LOWELL PATTERN PIN VISE

A quick action small vise of popular design. 3⅝″ long. Nickel plated.

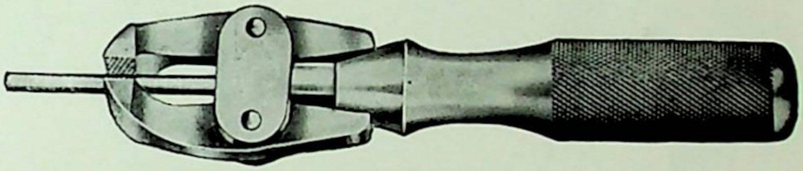


Fig. 9692 LOWELL PATTERN HAND VISE

This vise grips like a bulldog and holds work steady. 5½″ long. Nickel plated.

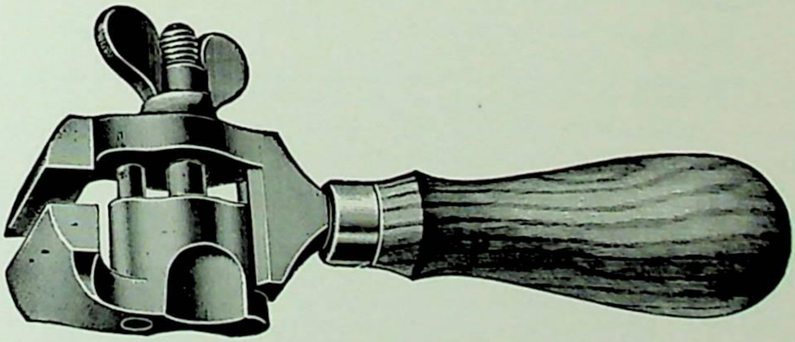


Fig. 9691 PARALLEL HAND VISE

A strongly made tool. Length over all, 6″. Width of jaws, 1¼″. Opening, ⅝″. Finished black, with a natural finish, shellaced handle.

63191

LABORATORY BENCH VISES

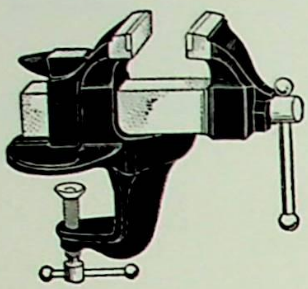


Fig. 9693

STEEL JAW BENCH VISES

Steel jaws are hardened and ground and are filed to a fit. The screw is of one piece cold rolled steel.

Nos.	Jaws	Open	Clamp
761	1½″	1¾″	2″
762	1¾″	1⅞″	2″
763	2″	2″	2″

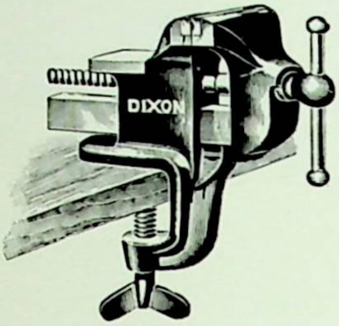


Fig. 9695

STEEL JAW BENCH VISES

Wrought steel sliding bars, screw and lever and a heavy clamp. Highly polished flat anvil.

Nos.	Jaws	Open	Clamp
152	1½″	1½″	1″
153	1¾″	1¾″	⅞″
154	2″	2″	1 1/16″

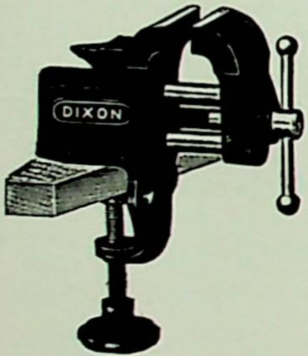


Fig. 9694

STEEL JAW BENCH VISES

All steel parts are polished and all iron parts are finished with enamel, baked on. They are operated by an accurately cut steel feed screw. Two steel guide rods insure rigidity. Jaws are machined to meet accurately.

Nos.	Jaws	Open	Clamp
160	1″	1½″	1⅜″
663	1½″	1½″	1⅜″
161	2″	2″	1⅜″
708	2¼″	2″	1⅜″

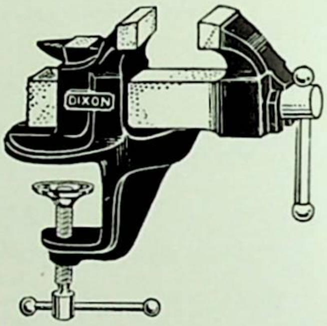


Fig. 9696

IRON JAW BENCH VISES

Strong, serviceable vises. The vise screw (body, head and collar) is of one piece of steel, with a square lathe cut thread working in a malleable iron nut.

Nos.	Jaws	Open	Clamp
741	1½″	1¾″	2″
742	1¾″	1⅞″	2″
743	2″	2″	2″
744	2¼″	2¼″	2″
745	2½″	2⅜″	2″

The clamp dimensions represent thickness of bench they will fit.

DUMORE DENTAL EQUIPMENT

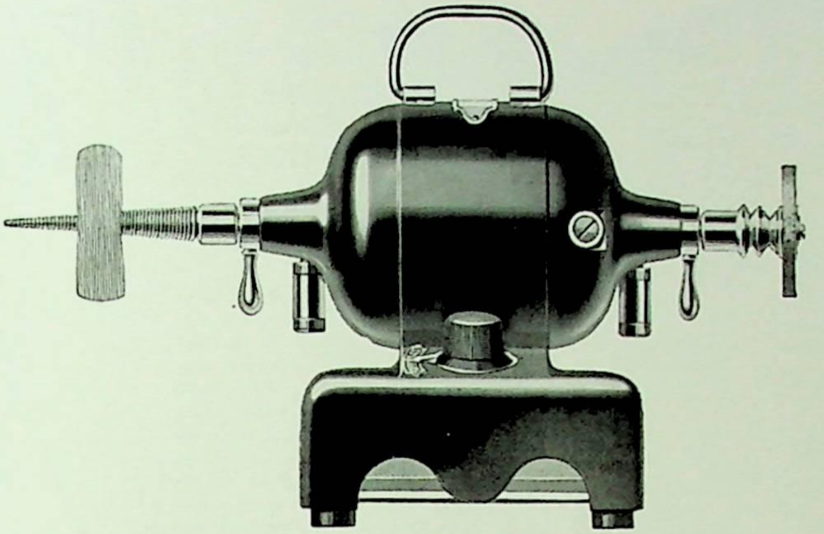


Fig. 9697

DUMORE D3 DENTAL LATHE

The new D 3 Lathe has several advantages over the popular Dumore D 2, including 50% more power at high speed and more than double power at low speeds, with idling speed reduced from 11,000 R.P.M. to 9,000 R.P.M. It is very quiet in operation.

The motor is of universal type, equally efficient on alternating or direct current. The armature is dynamically balanced, thereby reducing vibration and assuring long and satisfactory bearing life. A specially designed, easily operated chuck remover, integral with the motor, permits quick changing of spindles, chucks and other attachments. A control switch and indicator on the base of the motor assures easy, accurate shifts from one to another of the five speeds available. A handle on the motor makes the lathe conveniently portable.

SPECIFICATIONS:

MOTOR: ⅙ H. P. Speed, approximately 3,000 R.P.M. to 9,000 R.P.M., through a five-step (5 speed) rheostat located in the base of the motor.
SHAFT: Tapered to receive Goodell-Pratt or Ritter chuck and the flexible shaft attachment.
EQUIPMENT: Includes right and left hand tapered spindle, wheel arbor, emery wheel, rag buff, cord, attachment plug and handle.
Net Weight: 18 lbs.

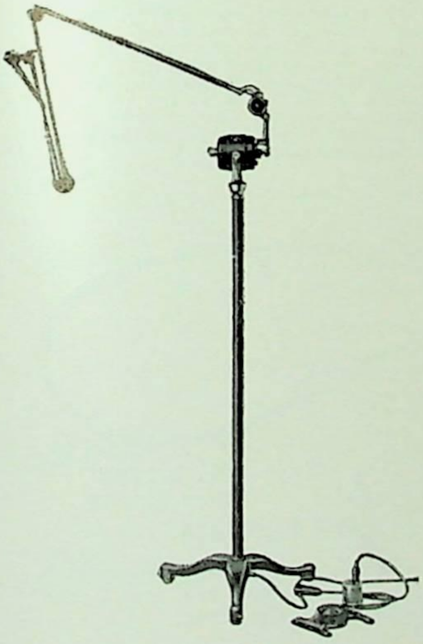


Fig. A 9697

DUMORE IMPROVED ALLCORD ARM DENTAL ENGINE

Adequate Power at All Speeds

Greater torque at low speeds and quieter operation, together with a new design of base, are features of this improved Dumore Allcord Engine.

Six speeds in both forward and reverse are available through a six step foot controlled rheostat and reversing switch mounted on the rear of the motor. A Doriot handpiece is furnished unless otherwise specified. The S. S. White Allcord Arm is regular equipment. The motor column and stand are available in brown finish.

The motor is of the universal type and will operate on either alternating or direct current. The armature, being dynamically balanced, operates without vibration.

MOTOR: ⅙ H. P., Universal type. Six-step foot controlled rheostat. Reversing switch in motor. S. S. White Allcord Arm with Doriot handpiece. Cord and attachment plug. Net weight, approximately 29 lbs.

FLEXIBLE SHAFT AND MOTOR OUTFITS

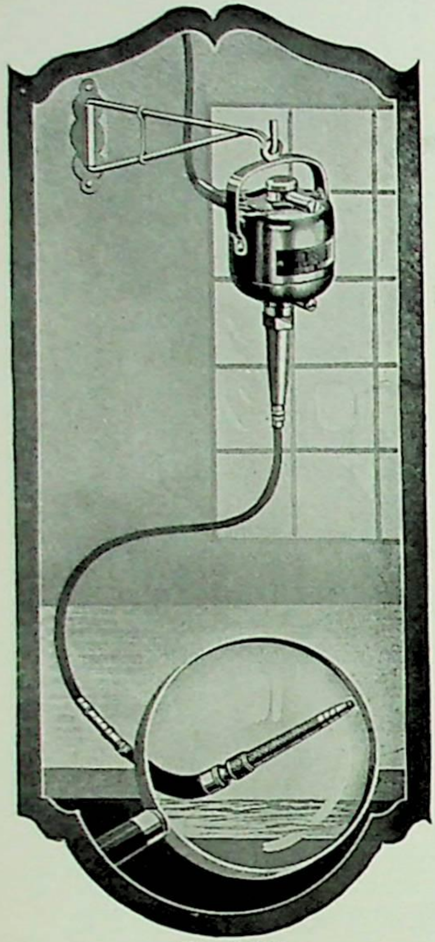
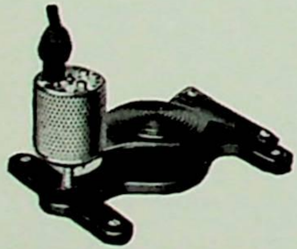


Fig. 9699

LITTLE GEM UTILITY MOTOR

Simple in design but of sturdy, dependable construction, the Little Gem is ideally suited to the laboratory. It is fitted with No. 7, dental type handpiece, which, because of its small size, is wonderfully convenient and easy to manipulate. Duplex spring connection installed back of handpiece provides great flexibility, allowing free movement of the hand. Complete outfit comprises nickel plated motor, flexible shaft and sheath, handpiece, duplex spring, foot rheostat, cord and plug, and swinging bracket for suspending motor.



FOOT RHEOSTAT
As Supplied with Outfit Fig. 9699

THE NEW IMPROVED DUMORE FLEXIBLE SHAFT UTILITY TOOL

FOR GENERAL LABORATORY USE

A 1/16 H. P. DUMORE Motor of the Universal type is used. The power is transmitted to the ball bearing handpiece by means of a flexible shaft. This shaft measures 36½" from the motor to the handpiece. This tool is designed so that the flexible shaft can be quickly attached direct to the armature shaft at one end of motor, or to shaft of gear reduction unit at opposite end, making it possible to secure either high or low speeds at handpiece. In addition, a foot controlled rheostat provides a variety of speeds to suit operator's needs.

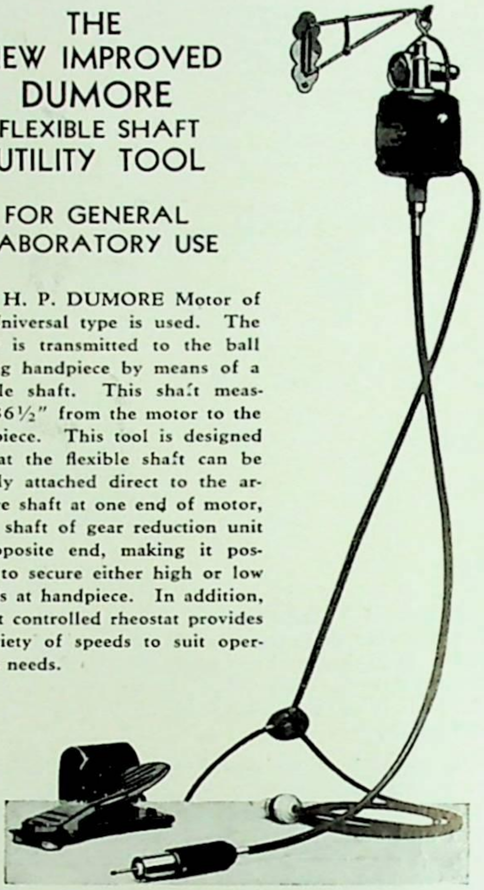


Fig. 9698

Motor—1/16 H. P. Universal type. Finish, black. Speed of motor, 16,000 R.P.M. under load. 36½" flexible shaft from end of motor coupling to ball bearing handpiece. Special DUMORE ball bearing handpiece. No. 0 balanced Jacobs chuck. Speed of handpiece, 2,400 to 3,700 R.P.M. at gear reduction end and 6,000 to 16,000 on shaft extension end. Operates with either Dumore ball bearing handpiece or No. 7 S. S. White handpiece.

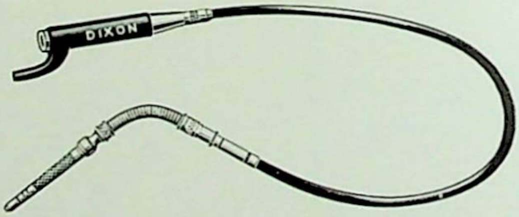


Fig. A 9698 Regular Quality — Fig. B 9698 Extra Quality

FLEXIBLE ARMS

This outfit consists of shaft, sheath, duplex connection, No. 7 handpiece and motor connection for standard Ritter taper.

MOTORS AND CHUCKS

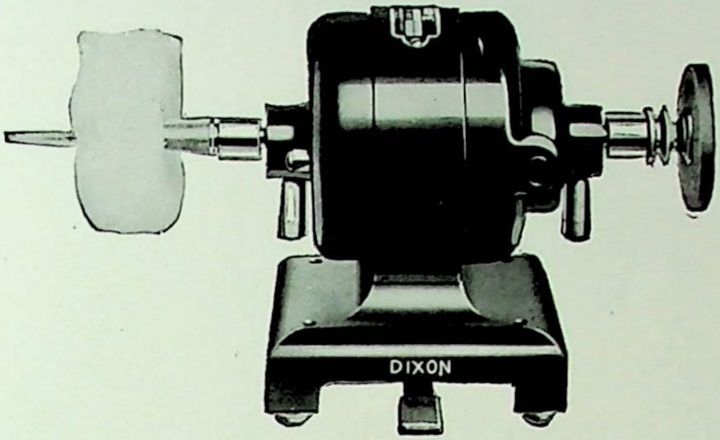


Fig. 9700

TYPE "D2" ⅛ H. P. MOTOR

Specifications and Equipment — Motor, ⅛ H. P. Universal Speeds—Five, 2,000 to 6,000 R.P.M. Controlled by rheostat in motor base. Shaft tapered at both ends. Will take Ritter chucks or special $\frac{5}{32}$" Goodell-Pratt chucks. Complete equipment includes wheel arbor and emery wheel, tapered spindle and rag buff, 8′ cord and attachment plug.

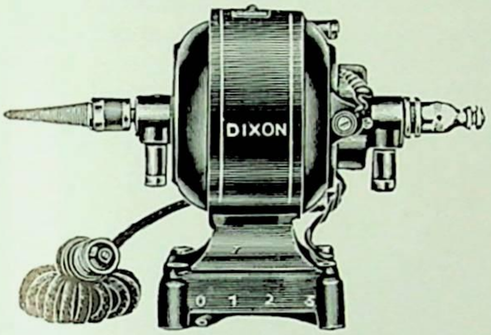


Fig. 9702

POLISHING MOTOR

Switch for starting and regulating speed of motor from 1,700 to 3,500 R.P.M. is located in base. A taper polishing wheel and hard wheel attachment are included with each motor.

H.P.	Volts	Current	Speeds
$^1/_{10}$	Universal	AC—DC	Variable
⅛	110-60	Alt. C.	Variable
⅛	110	Dir. C.	Variable
⅛	Universal	AC—DC	Variable

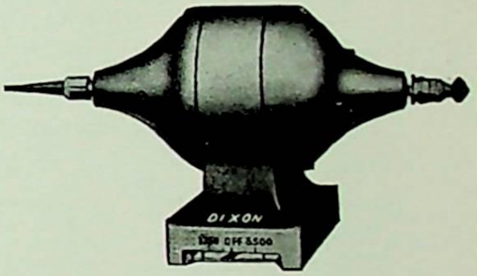


Fig. 9701

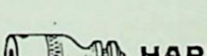
1/5 H. P. SPECIAL POLISHING MOTOR

Made for Alternating Current without carbon or metal brushes. Two attachments included similar to the ⅛ H. P. It should be used with 3" wheels.

H.P.	Volts	Current	Speeds
⅕	110-60	Alt. C.	3500-1750
⅕	110	Dir. C.	3500-1750
⅕	220 or 250	Dir. C.	3500-1750

◆

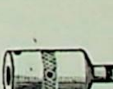
ATTACHMENTS For Fig. 9701 and 9702 MOTORS



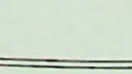
SOFT WHEEL

Fig. 9705
Taper,
Right or Left

Fig. 9703
Right Side
only



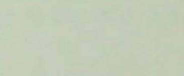
BUR CHUCK



HARD WHEEL

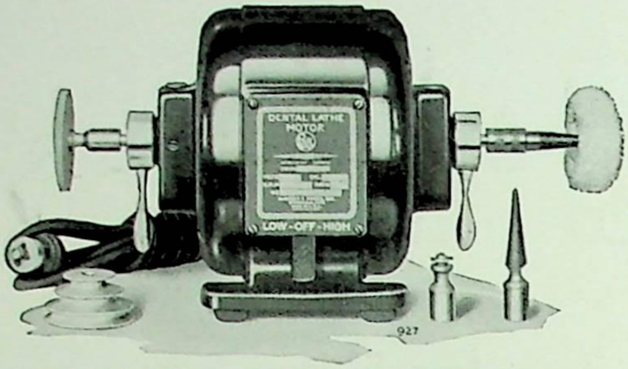
Fig. 9706
Right or Left

Fig. 9704
Right Side
only



SAND PAPER

POLISHING AND GRINDING MOTORS



HIGH GRADE ELECTRIC POLISHING MOTORS 1/6 H. P.

These outfits have been designed for light grinding, drilling, and buffing work. 60 Cycle, Single and Polyphase, 110 and 220 Volts A. C. Compound Wound, 115 and 230 Volts, D. C. Chuck removers have lever release to enable operator to remove chucks easily and quickly. The larger bearings used are of waste pack construction and dust proof. Snap switch in base provides easy starting. These Lathes can be started on either low or high speed.

Fig. 9707 SHUNT WOUND—DIRECT CURRENT 115-230 Volts, 1700-3000 R.P.M.
Motor is furnished with 1 Buffing Wheel Chuck, 1 Grinding Wheel Chuck and 10′ Cord and Plug.

Fig. 9708 SINGLE PHASE—ALTERNATING CURRENT 110 or 220 Volts, 1750-3500 R.P.M.
Motor is furnished with 1 Buffing Wheel Chuck, 1 Grinding Wheel Chuck and 10′ Cord and Plug.

ACCESSORIES FOR USE WITH ABOVE MOTORS

Right Hand Tapered Chuck for Buffing Wheel.
Left Hand Tapered Chuck for Buffing Wheel.
Right Hand Flange Chuck for Grinding Wheel with 5/16-inch hub.
Left Hand Flange Chuck for Grinding Wheel with 5/16-inch hub.
Three Step V Grooved Pulley, having pitch diameters of 1 7/16, 1 15/16 and 2 3/8 inches for 5/16-inch round belt.

Ritter Chucks, Set of 8, can be furnished for use with this Motor, see Page 132.

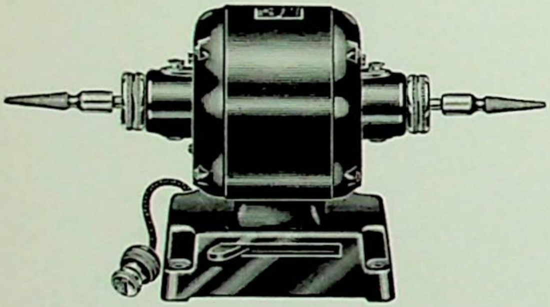


Fig. 9709. Type "M," 1/5 H. P.

POLISHING MOTOR

Alternating Current Only, 110 Volts, 60 Cycles

An induction type motor. Starts on either speed. Bearings lubricated by wool packing.

Total Height—9 1/2″.
Height to Center of Spindle—6″.
Total Length of Spindle—19″.
Two Speeds—1,750 and 3,400 R.P.M.

The chucks are held on the spindle by a tapered friction fit and can be easily and quickly removed by means of the large knurled collars. This motor is dynamically balanced, which eliminates vibration, assures smoothness and quietness of operation.

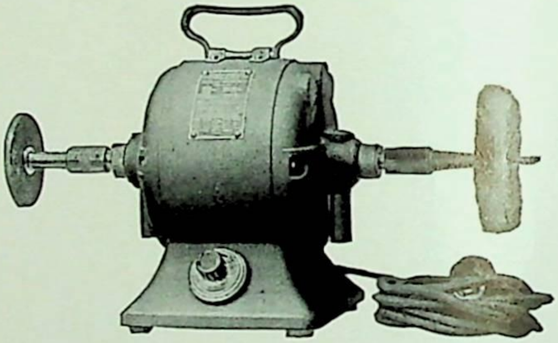


Fig. A 9709

"WESTINGHOUSE"
HIGH GRADE POLISHING MOTOR

H.P.	Volts	Winding	R.P.M.
1/6	110	A. C. 60 Cycles, S. P.	3450
1/6	220	A. C. " " "	3450
1/6	115	D. C. Compound Wound	2550
1/6	230	D. C. " "	2550

Equipped with left hand tapered chuck and right hand flanged chuck and a 10′ cord and plug. Can be securely fastened to bench or used as a portable outfit. Extra long dust-proof bearings, end play **negligible, totally** enclosed. Conveniently located snap switch in base. Simple—powerful—quiet.

SPLASHERS

MADE FROM HEAVY SHEET TIN AND SOLDERED THROUGHOUT WILL NOT RUST OR LEAK. FINISHED IN BATTLESHIP GRAY ENAMEL

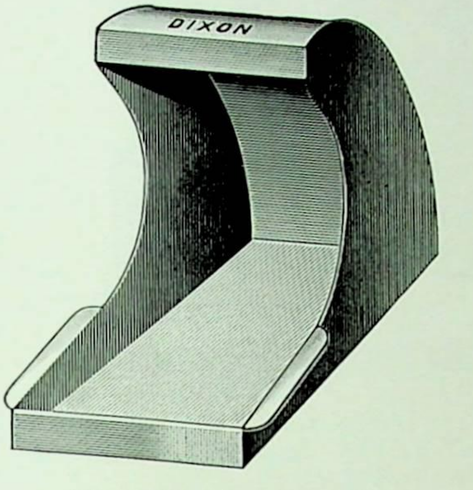


Fig. 9710 (Nos. 0 and 1)

LATHE SPLASHERS

No. 0	9″ High	4½″ Wide	12″ Deep
No. 1	9″ High	7½″ Wide	15″ Deep

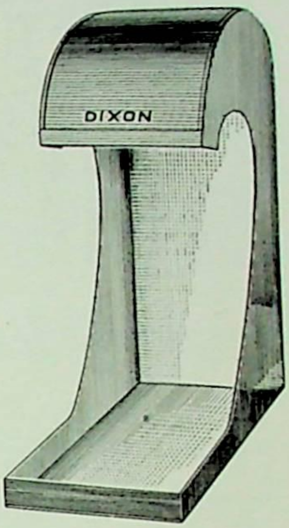


Fig. 9711 (No. 5)

LATHE SPLASHER

No. 5. Size: 11½″ High, 5″ Wide, 9″ Deep

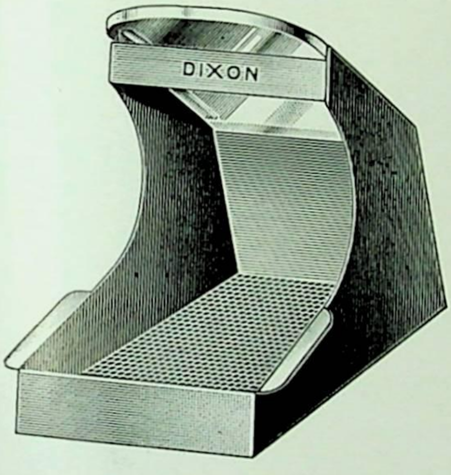


Fig. A 9711 (No. 10)

NEW IMPROVED LATHE SPLASHER WITH GLASS TOP

No. 10. Size: 9″ High, 7″ Wide, 12¾″ Deep

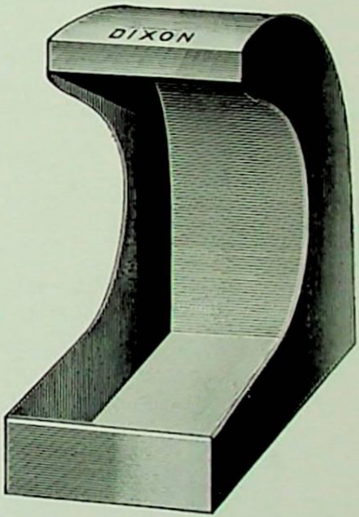


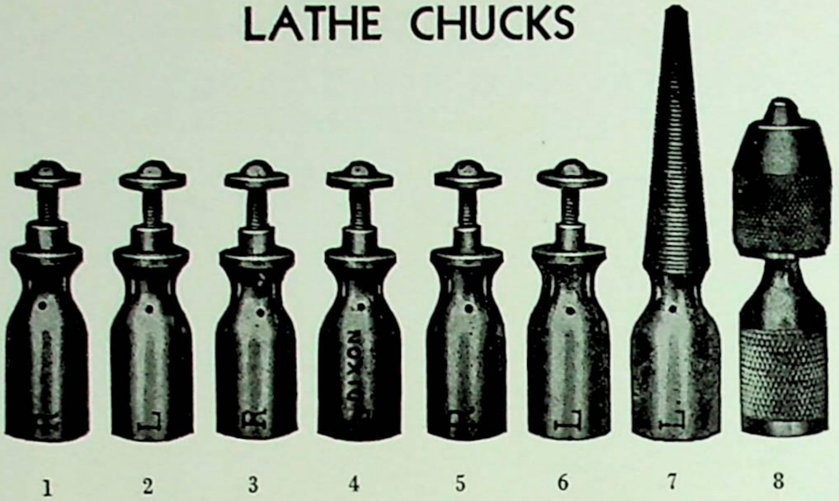
Fig. B 9711 (No. 6)

LATHE SPLASHER

No. 6. Size: 11″ High, 6″ Wide, 12″ Deep

These Splashers protect benches and walls in the laboratory from becoming spattered by water, pumice, rouge, and other materials thrown off when lathe brushes, buffs and grinding wheels are rotating at high speeds. They also catch gold grindings and protect the operator.

LATHE CHUCKS



LABORATORY LATHE CHUCKS

Fig. 9712

STONE CHUCKS

No. 1	Right, Brass, for Wheel	$\frac{3}{8}$"	Hole
No. 2	Left, " " "	$\frac{3}{8}$"	"
No. 3	Right, " " "	$\frac{5}{16}$"	"
No. 4	Left, " " "	$\frac{5}{16}$"	"
No. 5	Right, " " "	$\frac{1}{4}$"	"
No. 6	Left, " " "	$\frac{1}{4}$"	"

Fig. 9713

TAPER OR SCREW CHUCK

No. 7BR	Right, Brass	Tapered
No. 7BL	Left "	"
No. 7SR	Right, Steel	"
No. 7SL	Left, "	"

Fig. 9714

No. 8R BURR CHUCK

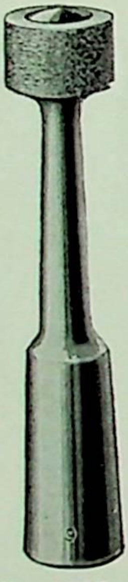


Fig. 9715

EMERY BAND ARBOR CHUCK

No. 9R	Right, for Ritter Lathe
No. 9L	For Left Side Chucks

Made of Brass, Nickel Plated.
Also furnished for other lathes.

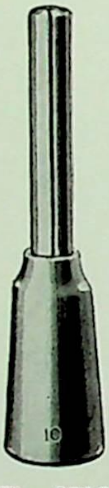


Fig. 9716

SAND PAPER ARBOR CHUCK

No. 10, Brass

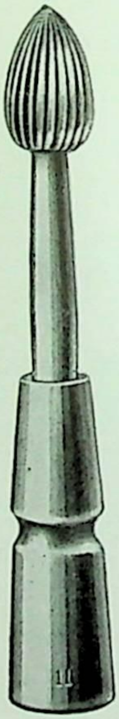


Fig. 9717

CHUCK FOR LARGE VULCANITE BURS

No. 11, Brass

DIXON-VAC DUST COLLECTOR

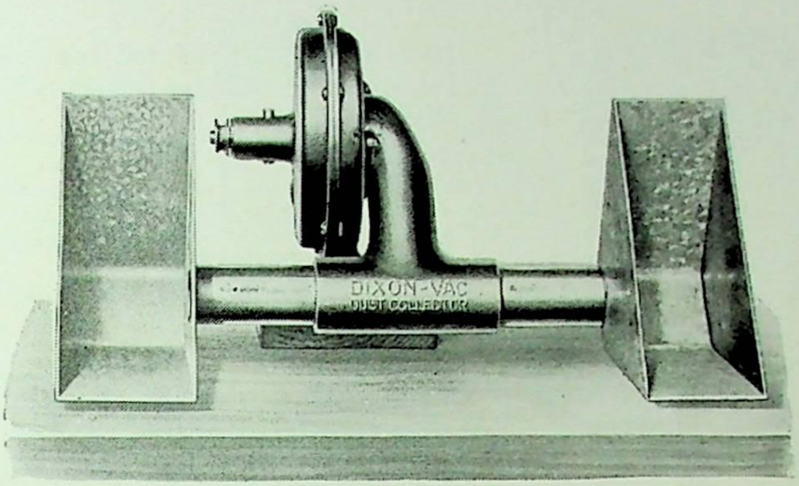


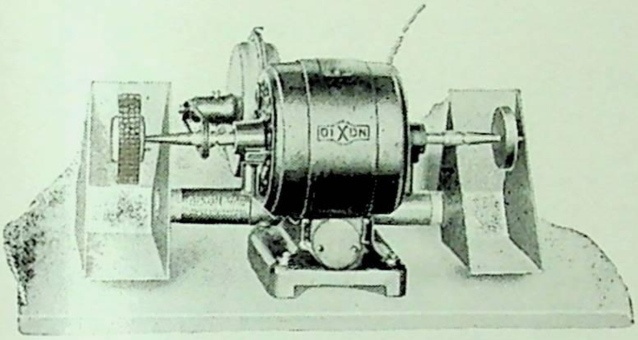
Fig. 9720

THE DIXON-VAC DUST COLLECTOR

USEFUL EVERYWHERE—FITS ANYWHERE

Price covers machine, complete with Dust Bag, Pulleys and Belt as illustrated above. (Does not include motor.)

PLEASE NOTE: In ordering mention make of your lathe. We furnish pulley to fit.



DIXON-VAC—Front View with Motor Attached For Use with Dental Lathes 1/8 to 1/6 H. P.

DIXON-VAC—A HEALTH PRESERVER

Air filled with flying particles of rubber, porcelain, plaster, metals, etc., from whirling grinding or polishing wheels, is admittedly injurious to health, yet many fail to protect themselves or their employees. Dust from even occasional operations of this sort collects in every crack and crevice, constantly being set in motion by drafts of air and movements about the room.

The DIXON-VAC collects the dust from grinding and polishing operations—keeps air clean and room clean.

DIXON-VAC—Odorless

No water is used in the DIXON-VAC, consequently there is an absence of stench from stale water that is so noticeable in dust collectors fitted with water compartments.

The DIXON-VAC is a practical, well built Dust Collector of simple construction. It was designed to meet the requirements of thousands of dental establishments where, because of the usual high cost of installation, space limitations or the possibility of only occasional use, dust collecting machines have not been considered a profitable investment.

DIXON-VAC—SAVES PRECIOUS METAL

The DIXON-VAC not only collects worthless dust but hoards all particles of gold and precious metals ground from dental work. Salvage that might otherwise be partly or wholly lost soon pays for the machine.

DIXON-VAC—HOW IT WORKS

This machine operates on the same principle as a household vacuum cleaner. Power for the blower is applied by a belt connection with the motor. The intake hoods are adjustable. They are made to slide in and out, adjusting to the width of the lathe in use, and can also be tipped up or down.

The dust is collected and sucked into a tight bag, which hangs from the machine. When it is desired to keep gold and other precious metals separated from refuse the use of two bags is recommended. Bags can be changed in a few seconds.

DUST COLLECTING POLISHING SYSTEMS

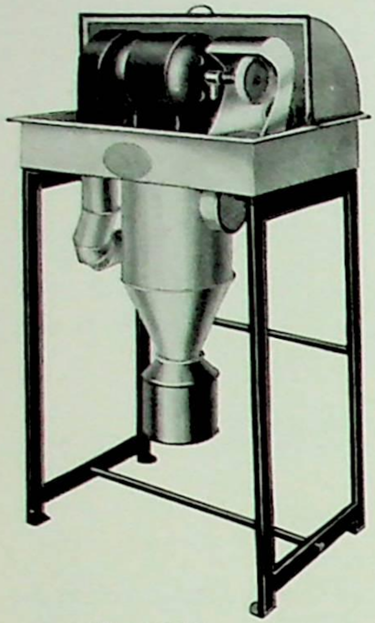


Fig. 9721

Single Spindle All Steel Roll Top Portable Polishing Bench and Dust Collecting System

Half of the top is rolled back to show how it looks when in operation.

The bench, pan, roll-top and dust collector are made of galvanized steel. The hood is of tin.

The bench legs are cast iron. All machines are painted light steel gray with black trimmings.

They may be painted to go with any color of furnishings in the dental laboratory.

The motor is ¼ H. P.

Height of spindle from bench, 6½ inches.

Weight of complete bench, about 150 pounds.

A. C. motors have two speeds and are furnished for 110 or 220 volts, 60 cycle, single phase.

D. C. motors have three speeds and are furnished for 115 or 220 volts.

Two spindles go with the lathe, one each for rag and emery wheels.

No. 1,	Machine, Size	16″ x 26″
No. 2,	" "	18″ x 28″
No. 3,	" "	20″ x 32″

We use no water or bags in the **DIXON** Systems. They are simple, neat, compact and reliable.

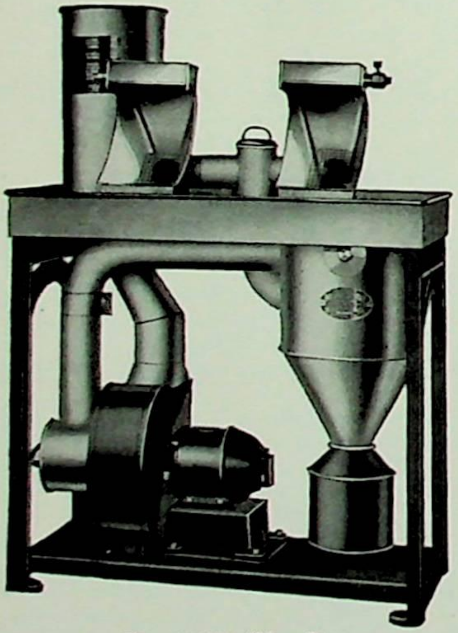


Fig. 9722 (No. 7)

The No. 7, 38″ x 20″, Portable Polishing Bench with Exhaust and Dust-Collecting System was designed to be used by anyone having an electric lathe, if all they wanted was a polishing bench with the exhaust and dust-collecting system.

Place your lathe on the bench, adjust the hoods to fit the wheels and save your valuable dust.

The bench is made of wood and covered with galvanized steel. The legs are heavy cast iron. The platform that fan and motor rest upon is wood. Suction fan, dust collector and piping are of galvanized iron. Motor ¼ H. P.

Furnished for 110 and 220 volts A. C., 60 cycle, single phase, or 115 and 220 volts D. C.

For D. C. Motor, Rheostat is furnished. No Rheostat or switch is furnished on A. C. Motors. Hoods are made of tin and equipped with electric sockets.

DUST COLLECTING POLISHING SYSTEM

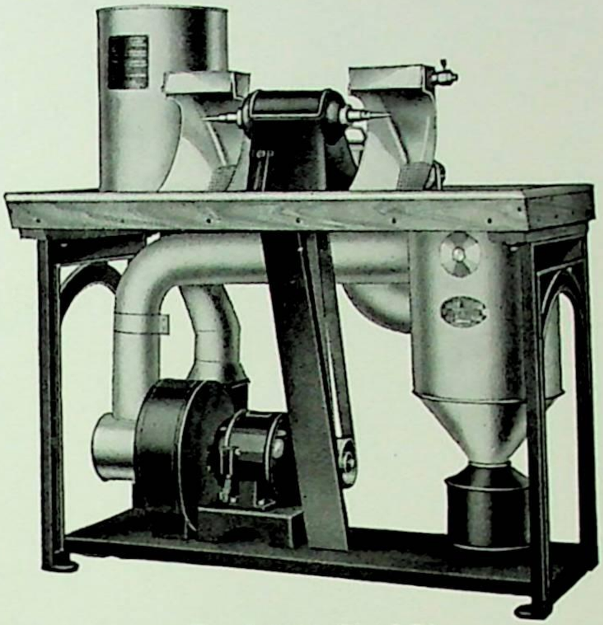


Fig. A 9722 (No. 5 D)

DENTAL MODEL 51½" x 24" DOUBLE SPINDLE POLISHING BENCH

This is the latest and most compact system yet designed for the dental laboratory. ½ H. P. motor. Legs are made of heavy cast iron. New style capacity dust separator and large size suction fan. Piping and bench covering are made of galvanized steel. Hoods are made of tin and are complete with electric sockets. Lathe has bronze bearings with ring oilers, also tight and loose pulleys. Spindles 8½" from bench to center. With D. C. motor, rheostat is furnished. No rheostat or switch is furnished with an A. C. motor. Furnished for 110-220 A. C., 60 cycle, single phase, or 115 D. C. and 230 D. C. Short dental spindles, Style "A", shown below, are furnished unless otherwise specified. We include a specially designed pan for holding pumice to be used in the polishing of dental plates.

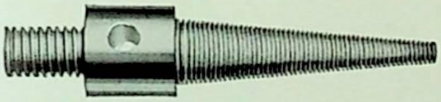


Fig. B 9722 (Style "A")

SHORT DENTAL SPINDLE

For Pumice or Polishing Wheels

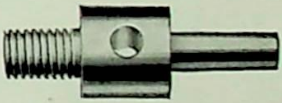


Fig. C 9722 (Style "B")

RITTER ADAPTER

To Allow the Use of Ritter Chucks

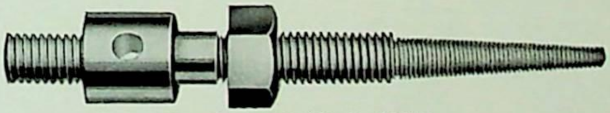


Fig. D 9722 (Style "C")

LONG DOUBLE DUTY SPINDLE

For Large Rag Buffs and Small Wheels

Spindles or Chucks for use with above polishing system. Guaranteed to run true and give the utmost satisfaction. Made of specially treated steel and we are equipped to furnish special style, shape or thread if desired. Prices upon request.

SYRINGES

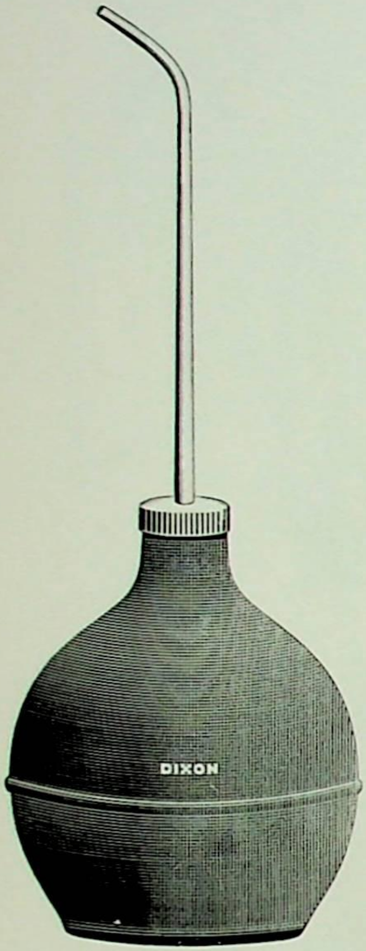


Fig. 9723 (No. 22)

CHIP SYRINGE

Chip Syringe. Nickel plated pipe, with red bulb.

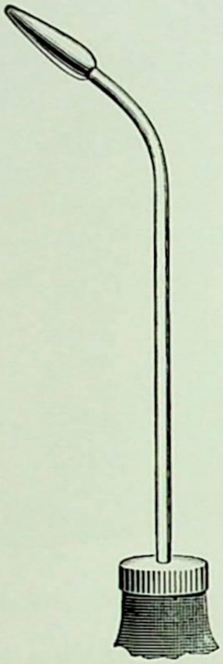


Fig. 9726

WARM AIR METAL PART

Reinforced removable tip. Brass, nickel plated. For Fig. 9724 Chip Syringe.

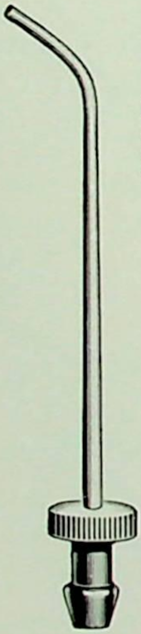


Fig. 9725

METAL PARTS ONLY

For Fig. 9723 Chip Syringe
Brass, Nickel Plated

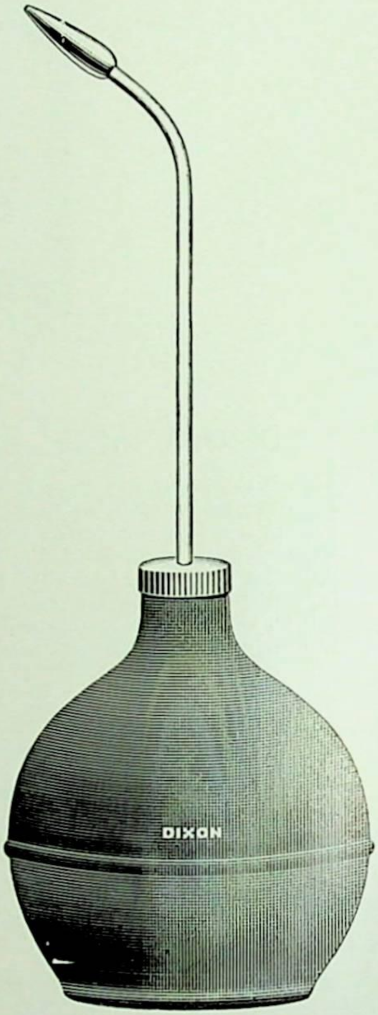


Fig. 9724

WARM AIR SYRINGE

With red bulb. Brass pipe, nickel plated. Removable tip screwed on end.

SYRINGES AND BULBS

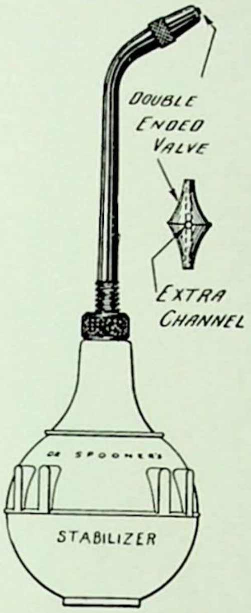


Fig. 9729

SPOONER'S QUICK FILLER SYRINGE

Extra Parts:

Bulb	Shield	Washer
Stem	Screw Cap	Mov. Valve

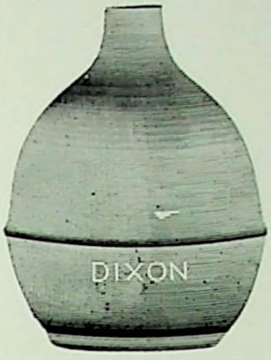


Fig. A 9726

RED RUBBER BULBS

For Figs. 9723 and 9724

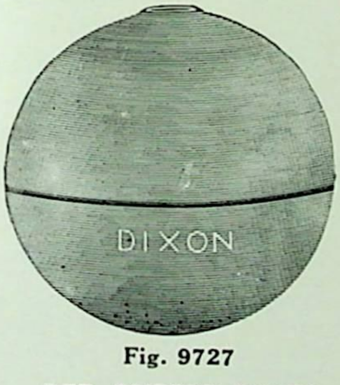


Fig. 9727

RED RUBBER BULBS

For Fig. 9728 Syringe

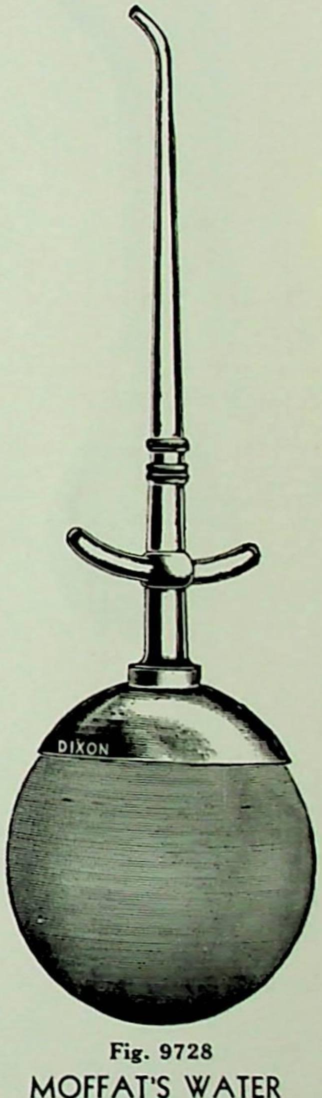


Fig. 9728

MOFFAT'S WATER SYRINGE

With Curved Seamless Point

SYRINGES

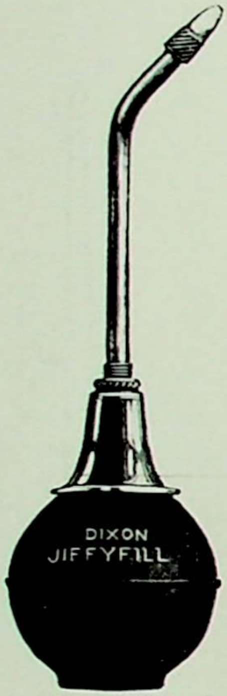


Fig. 9730

"JIFFYFILL" WATER SYRINGE

All Metal Except Bulb and Tip

The point of the Syringe is fitted with an oscillating tip which, when the Syringe is being filled, recedes and permits the water to enter in a volume. Hence Jiffyfill. Built strong to stand abuse, although you can obtain extra parts.

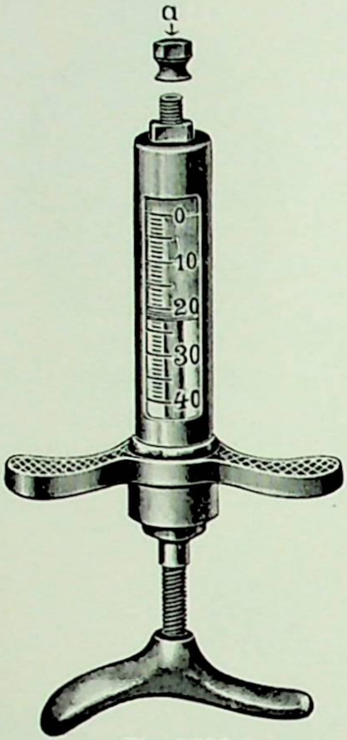


Fig. 9731

FISCHER SYRINGE

Size No. 2 C.C.
Size No. 3 C.C.

Reserve barrels can be furnished for both sizes of syringes.

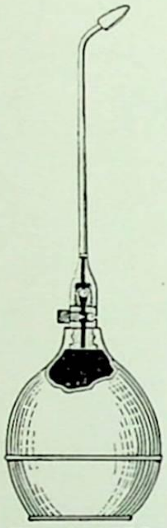


Fig. A 9730
(Patented)

The Aseptic HOLLAND DENTAL CHIP BLOWER

Clean, Powerful and Positive

No air from the mouth is permitted to enter the bulb.

Satisfaction Guaranteed

For individual application, tubes may be instantly detached for sterilization.

Furnished with either cold air or warm air point, or with both. Extra tubes or points and bulbs can be supplied.

ALL-METAL SYRINGE, AMALGAM CARRIER AND CASTING RINGS

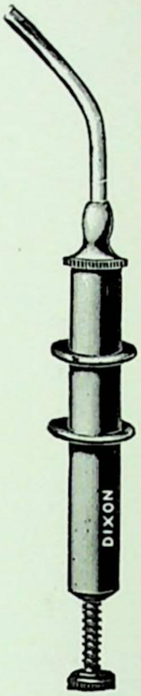


Fig. B 9731

ALL METAL AMALGAM CARRIER

PLUNGER TYPE

It has a strong spring and is well made, and highly nickel plated.

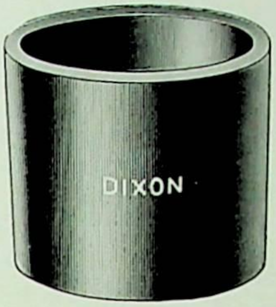


Fig. C 9731

ELGIN CASTING RINGS

Made of Cast Steel

Small Size	Large Size
$1\frac{1}{16}$" x $1\frac{3}{16}$"	$1\frac{1}{4}$" x $1\frac{13}{16}$"

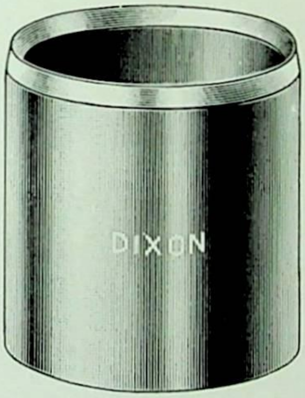


Fig. D 9731

CASTING RINGS OR FLASKS

FOR BURNS MACHINE

Cast Bronze—Polished Smooth Outside

No. 5	Full Plates,	Height,	$2\frac{1}{2}$";	Diam.,	$3\frac{1}{2}$"
No. 6	"	"	"	2"	"	$2\frac{1}{2}$"
No. 7	"	"	"	$1\frac{1}{2}$"	"	$1\frac{3}{4}$"
No. 8	"	"	"	$1\frac{3}{8}$"	"	$1\frac{1}{4}$"

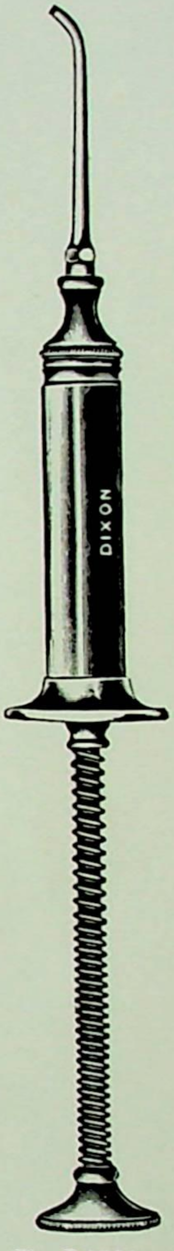


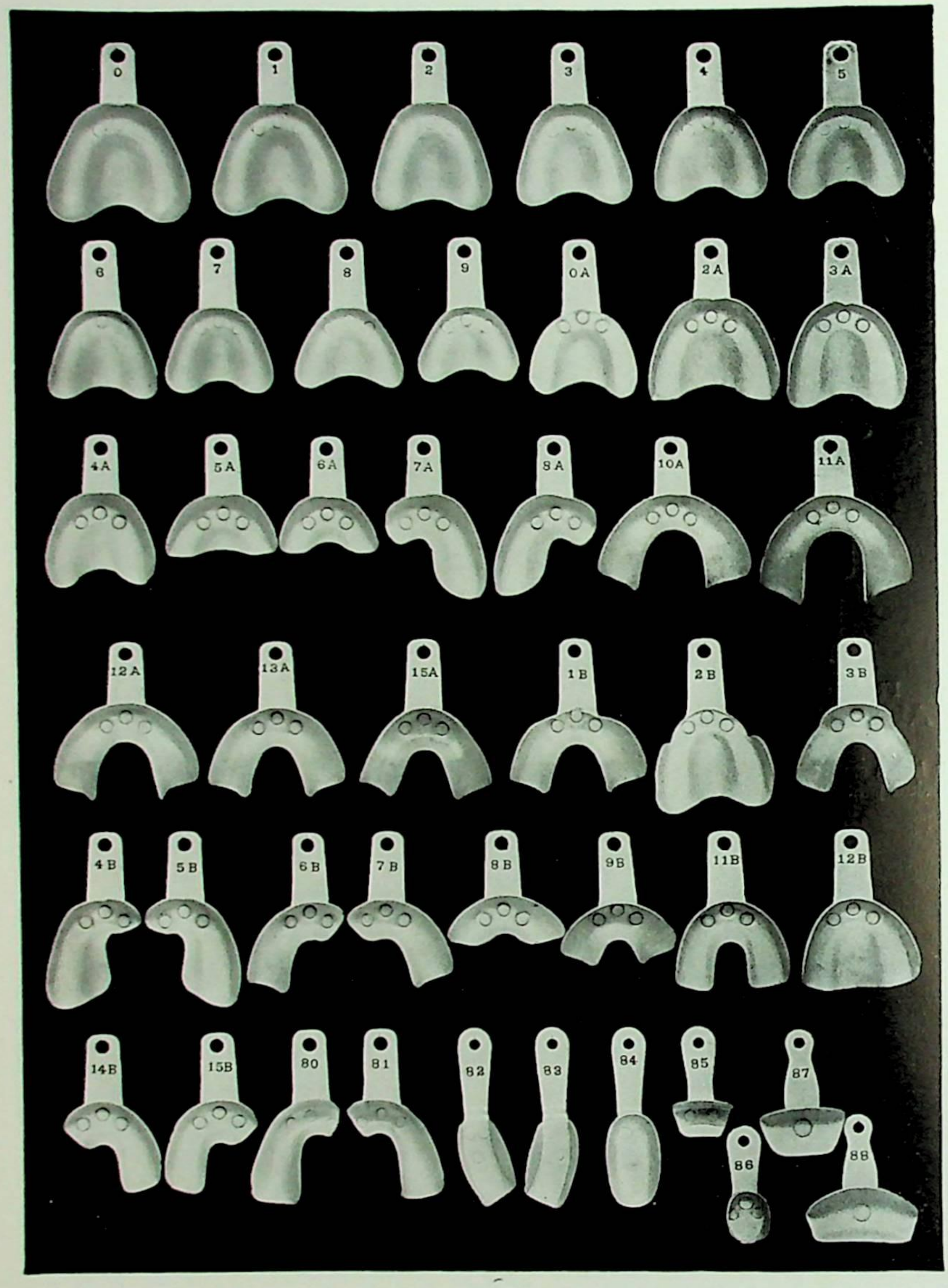
Fig. E 9731

ALL-METAL SELF FILLING WATER SYRINGE

Designed by Dr. W. A. Hunt

This Syringe is well constructed and highly nickel plated. Round top is $\frac{11}{16}$" diameter.

ALUMINUM IMPRESSION TRAYS



Easily Shaped with Hand Pressure. Flanges Are Made Extra Deep and Well Finished

Fig. 9732. Complete set of 45 Trays with display board.
Fig. 9733. Complete set of 45 Trays without display board.
Fig. 9734. Individual Trays or Replacements.

FOR BRIDGE TRAYS, see Figs. 9746 and 9748.

ALUMINUM IMPRESSION TRAYS

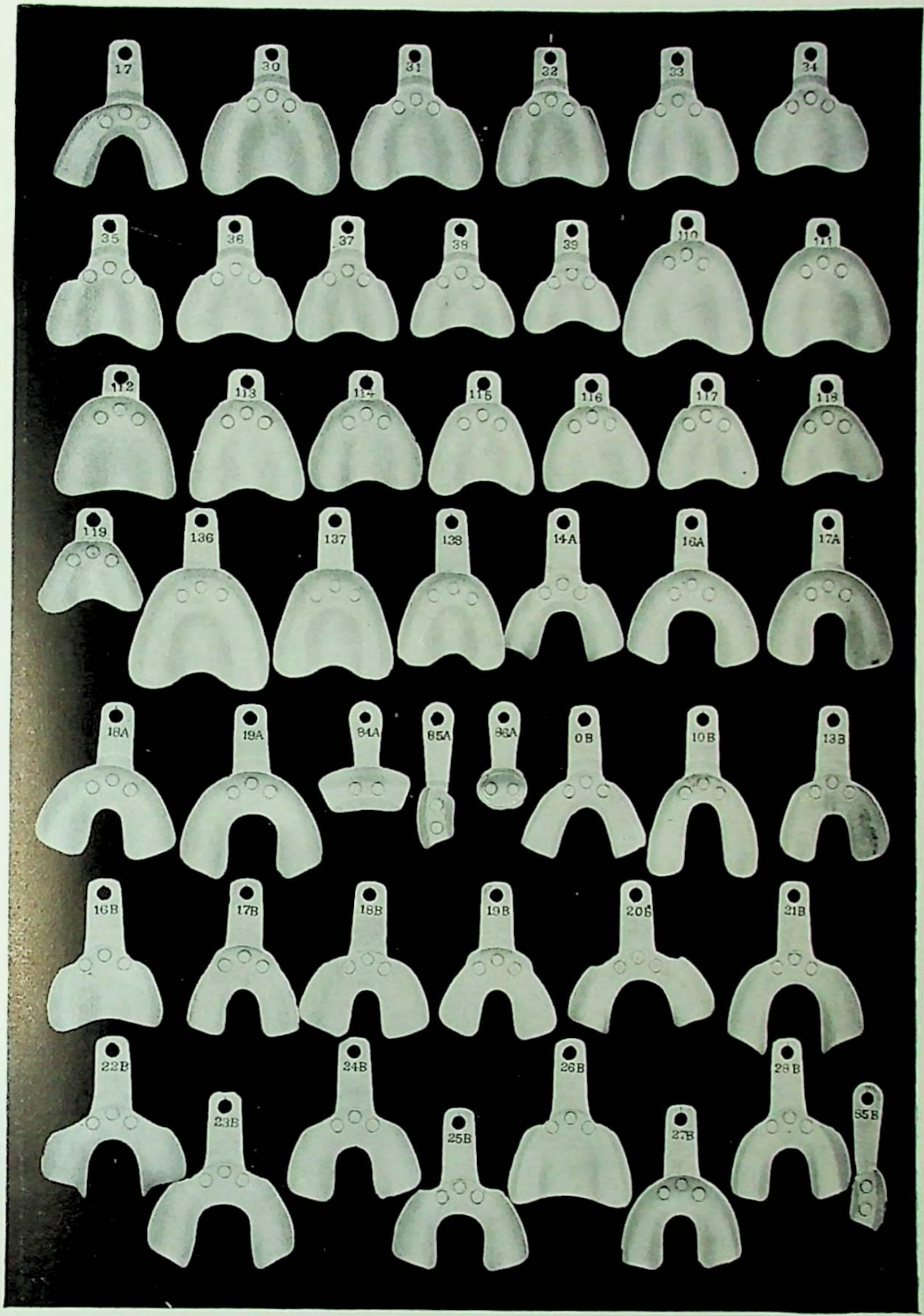


Fig. 9736. Complete set of 49 Trays with display board.
Fig. 9737. Complete set of 49 Trays without display board.
Fig. 9738. Individual Trays or Replacements.

ALUMINUM ORTHODONTIC IMPRESSION TRAYS

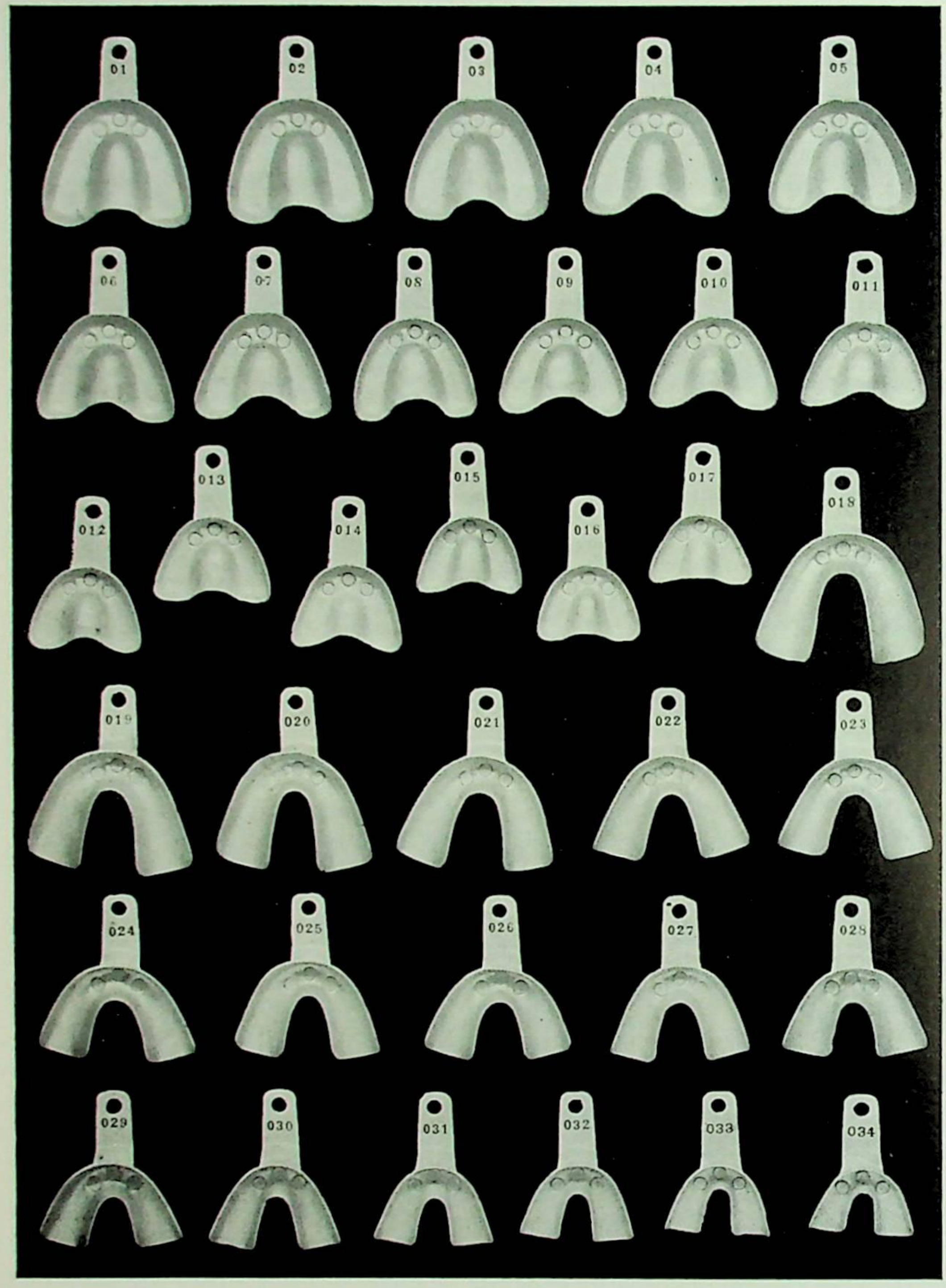
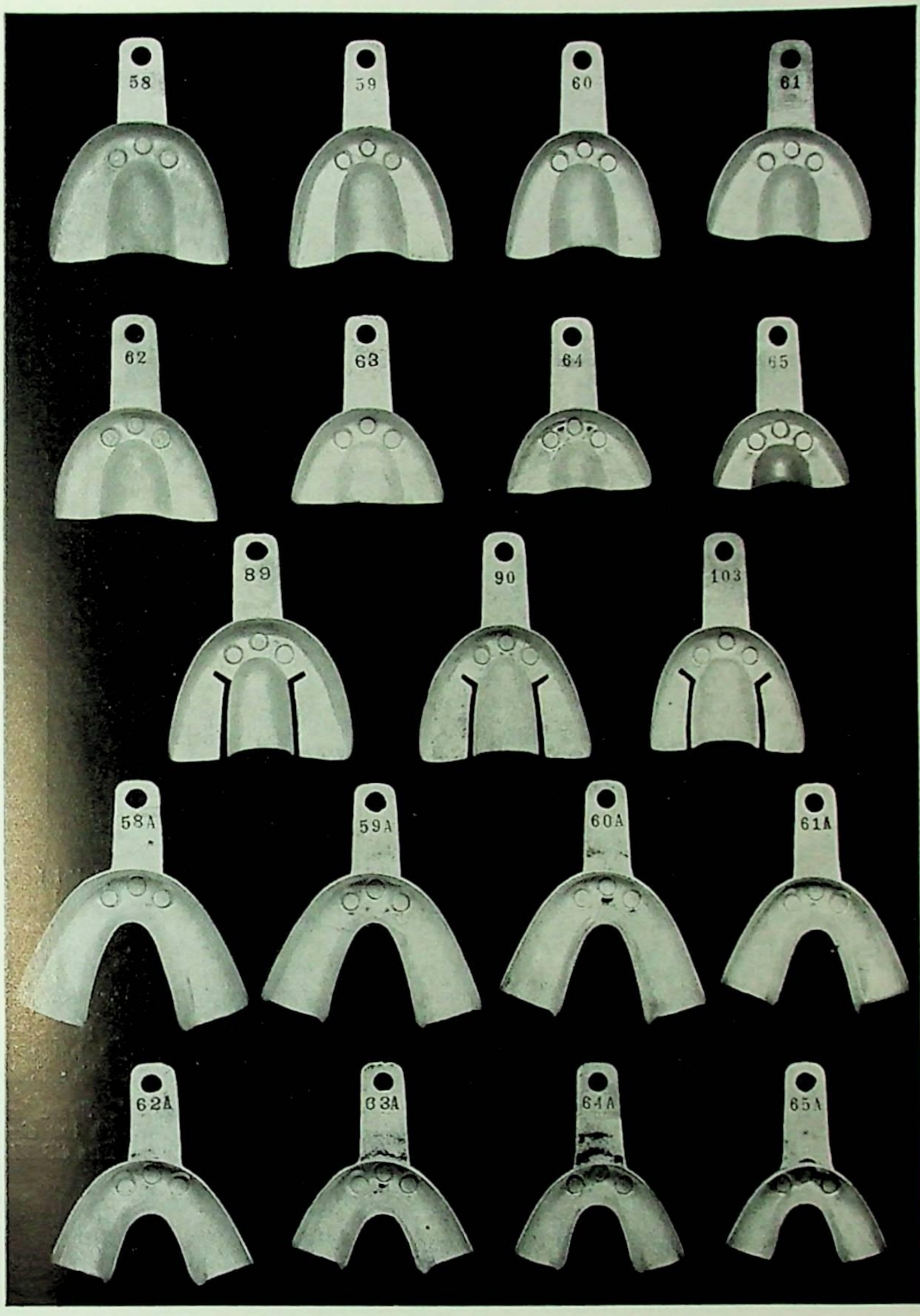


Fig. 9740. Complete set of 34 Orthodontic Trays with display board.
Fig. 9741. Complete set of 34 Orthodontic Trays without display board.
Fig. 9742. Individual Trays or Replacements.

ALUMINUM IMPRESSION TRAYS



Full set of Uppers and Lowers. Nos. 89, 90 and 103 show the three larger of upper trays cut that they may be adjustable to any requirement. Nos. 58 and 58A are the largest of the uppers and Nos. 65 and 65A are the smallest in the lowers.

Fig. 9744. Complete set of 19 Trays with display board.
Fig. 9745. Individual Trays or Replacements.

BRIDGE TRAYS AND CONE SOCKET HANDLES

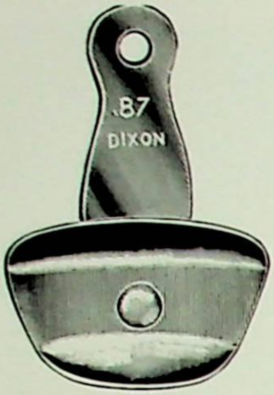


Fig. 9746 (No. 87)
SWIVEL BRIDGE TRAY

Brass, nickel plated, and steel, nickel plated.

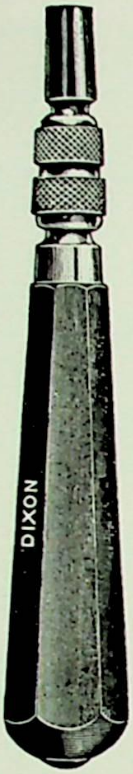


Fig. 9752
(No. 8 A)
CONE SOCKET HANDLE

Metal part brass, nickel plated. Handle is made of ebony wood.

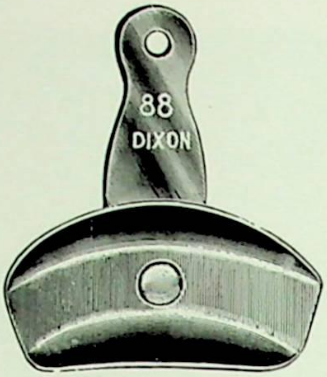


Fig. 9748 (No. 88)
SWIVEL BRIDGE TRAY

Brass, nickel plated, and steel, nickel plated.

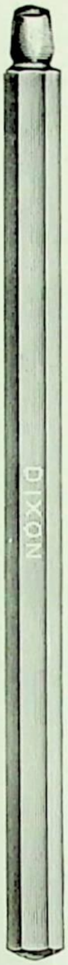


Fig. 9757
MIRROR HANDLES

No. 3. Solid hexagon brass, nickel plated, for SS Mirror.

No. 3A. Solid hexagon brass, nickel plated, for CS Mirror.

No. 3B. Same handle as No. 3 but chrome plated. Fits SS Mirror.

No. 3C. Same handle as No. 3A but chrome plated. Fits CS Mirror.

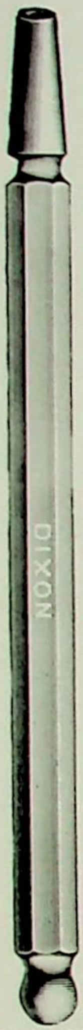


Fig. 9756
MIRROR HANDLES

No. 1. Made of hollow octagon brass to fit SS Mirror. Nickel plated.

No. 1A. Same handle as No. 1 but to fit Cone Socket or Contra Angle Mirror.

No. 1B. Same handle as No. 1 but chrome plated. Fits SS Mirror.

No. 1C. Same handle as No. 1A but chrome plated. Fits Cone Socket or Contra Angle Mirror.

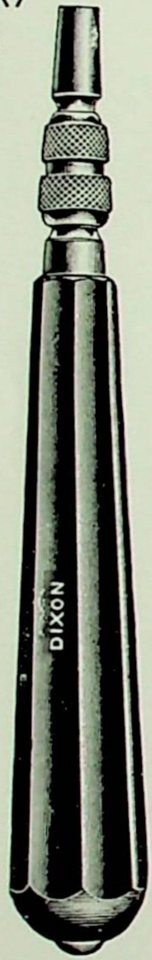


Fig. 9753 (No. 8)
CONE SOCKET HANDLE

Same as No. 8A but larger in size.

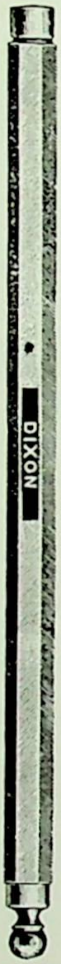


Fig. 9755
CONE SOCKET HANDLES

Plain or File Cut

Three sizes: Nos. 1, 2 and 3.

FLASKS

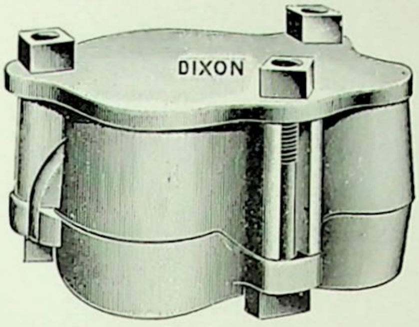


Fig. 9775

WHITNEY "BOLT FLASK"

No. 2	2⅜″ x $3\frac{5}{16}$″ x 1⅝″
No. 18	2¾″ x 3⅝″ x 1⅜″

Furnished in Bronze or Iron

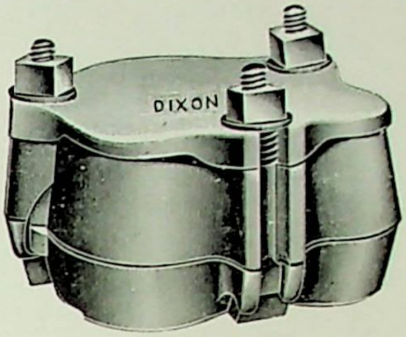


Fig. 9776

WHITNEY "SLOT FLASK"

No. 7	2½″ x 3¼″ x 1⅝″
No. 13	2½″ x 3¼″ x 1⅞″

Furnished in Bronze or Iron

Fig. A 9775. EXTRA LARGE WHITNEY BOLT FLASK No. 18A. Size, 2⅝″ x 3⅝″ x 2″. Furnished in malleable iron or bronze.

Fig. B 9775. EXTRA HEAVY TOP WHITNEY BOLT FLASK No. 18B. Size, 2⅜″ x $3\frac{5}{16}$″ x 1⅝″. Made of bronze.

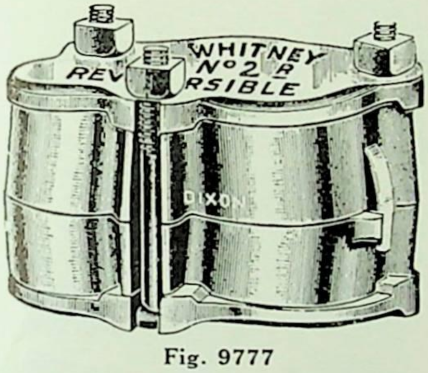


Fig. 9777

No. 2R. WHITNEY REVERSIBLE FLASK

Made from the No. 2 Whitney master patterns, and is of the same dimensions, but reversible.

No. 2R. Size, 2⅜″ x $3\frac{5}{16}$″ x 1⅝″

Made of Bronze

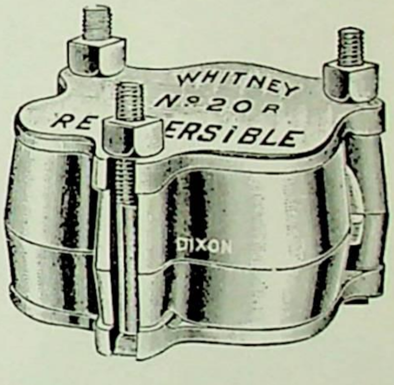


Fig. 9778

No. 20R. WHITNEY REVERSIBLE FLASK

Size, 2⅞″ x $3\frac{11}{16}$″ x 1¾″

Furnished in Bronze or Iron

DIXON'S SUPERIOR QUALITY FLASKS, EACH FLASK GUARANTEED

Each flask is ground to fit perfectly. The Bronze Flasks are made of a composition of superior quality and are reinforced at the points of greatest wear, having added strength on all lugs, reinforced bolt holes, and the lids are so constructed as to add double life to the flask. The Malleable Iron Flasks are made from the same patterns as the bronze.

FLASKS

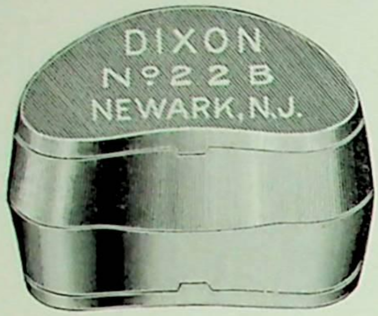


Fig. 9779
No. 22B. LARGE DONHAM FLASK—REVERSIBLE
Made of Bronze
Size: 2¾" x 3⅜" x 1¾"

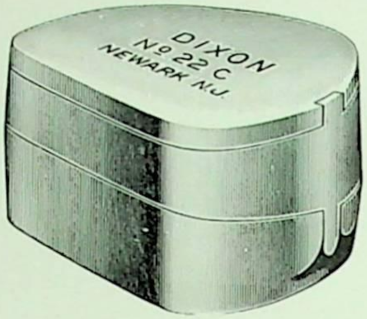


Fig. A 9780
No. 22C. EXTRA LARGE DONHAM FLASK
Made of Bronze
Size: 2⅞" x 3¾" x 2"

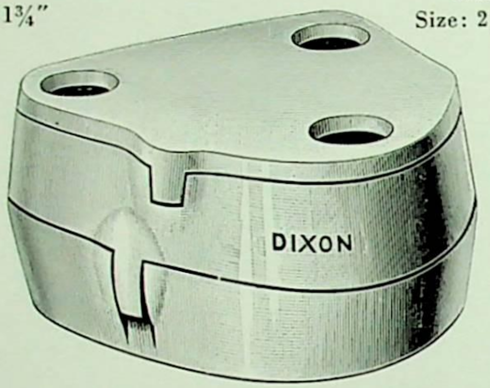


Fig. 9781
No. 22. SMALL DONHAM FLASK
Furnished in Bronze or Iron
Size: 2½" x 3 1/16" x 1⅜"

Fig. 9782
No. 22A. LARGE DONHAM FLASK
Furnished in Bronze or Iron
Size: 2¾" x 3⅜" x 1½"

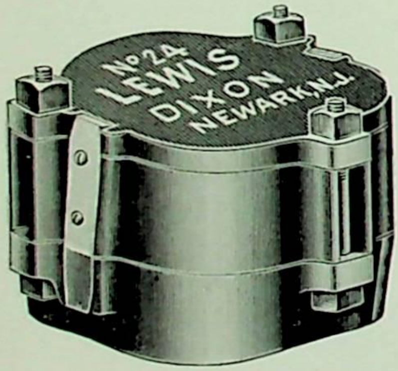


Fig. 9780
No. 24. LEWIS FLASK
Made of Bronze
Size: 3" x 3¼" x 1 11/16"

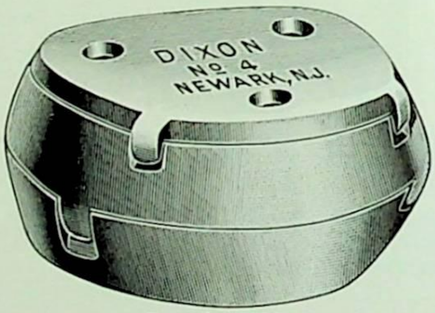


Fig. A 9782
No. 4. DONHAM FLASK
Made of Bronze Only

Deep, Polished	3⅜" x 4" x 1⅞"
Shallow, "	3⅜" x 4" x 1¾"
Deep, Unpolished	3⅜" x 4" x 1⅞"
Shallow, "	3⅜" x 4" x 1¾"

DIXON'S SUPERIOR QUALITY FLASKS, EACH FLASK GUARANTEED

Each flask is ground to fit perfectly. The Bronze Flasks are made of a composition of superior quality and are reinforced at the points of greatest wear, having added strength on all lugs, reinforced bolt holes and the lids are so constructed as to add double life to the flask. The Malleable Iron Flasks are made from the same patterns as the bronze.

FLASKS AND SPRINGS

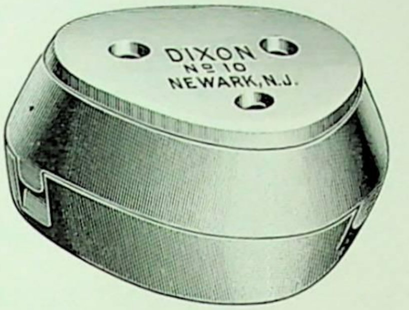


Fig. 9783 (No. 10)

DONHAM BRONZE FLASK

Deep, Polished	2⅞″ x 3¾″ x 1⅞″
Shallow, "	2⅜″ x 3¼″ x 1½″
Deep, Unpolished	2⅞″ x 3¾″ x 1⅞″
Shallow, "	2⅜″ x 3¼″ x 1½″

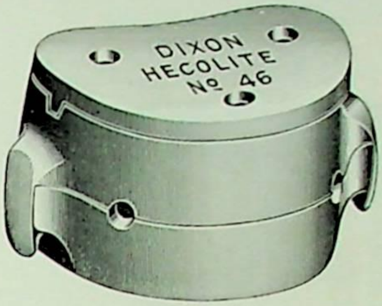


Fig. 9784

HECOLITE BRONZE FLASK

Especially designed to make Hecolite dentures. Fitted with heavy guides and long lugs for tight, secure closing.

Size: 3¾″ x 2½″ x 2″

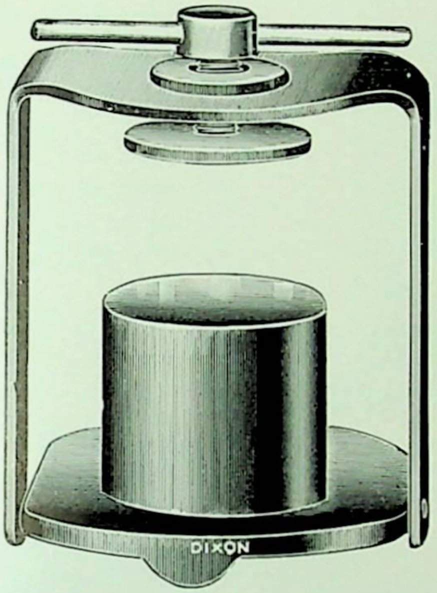


Fig. 9785

DONHAM STEEL SPRINGS

Made in Four Sizes:

No. 1	2 Case,	Width,	Inside,	3¼″
No. 2	2 Case,	"	"	4½″
No. 3	3 Case,	"	"	3¼″
No. 4	3 Case,	"	"	4½″

The Frame is made of special carbon spring steel of uniform texture and strength. The pressure plate is of the proper diameter and the bottom plate is made of a heavy and sturdy stock.

The function of this clamp is to hold the flasks together after they have been properly closed in a press and to allow the flask parts to separate slightly as the rubber expands.

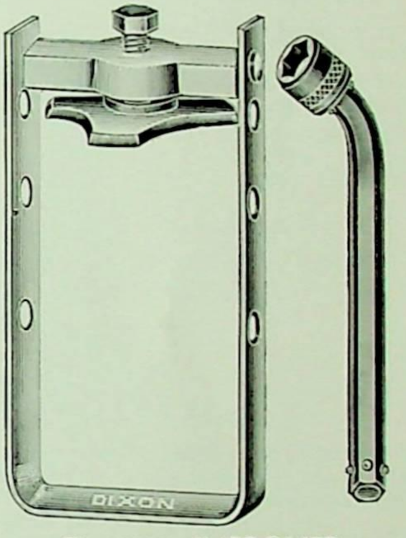


Fig. 9786 IMPROVED DONHAM FLASK PRESSES

These Presses are made in both bronze and steel. They are durable and efficient. With improved triangular plate and two way wrench. The channel has holes in the sides to accommodate more than one flask according to the capacity of the press.

		Width	Height
2 Case to fit 4″	Vulcanizer	3¼″	4″
2 " " " 4½″	"	3¾″	4¾″
3 " " " 4″	"	3¼″	6⅛″
3 " " " 4½″	"	3¾″	6⅛″
4 " " " 4½″	"	3¾″	8″
5 " " " 4½″	"	3¾″	9⅞″

Extra parts can be furnished, such as Channels, Cross Bars, Triangular Plates, Top Screws, Bottom Screws and Wrenches.

FLASK PRESSES AND CLAMP

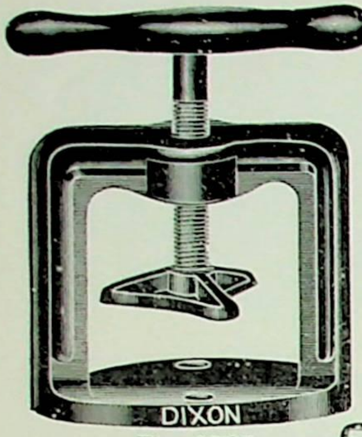


Fig. 9787

"CHAMPION" FLASK PRESS

Made of certified malleable iron. Guaranteed against breakage.

Weight, 7½ lbs.; inside dimensions, 3⅜″ x 4⅜″; outside dimensions of frame, 6″ x 6⅞″.

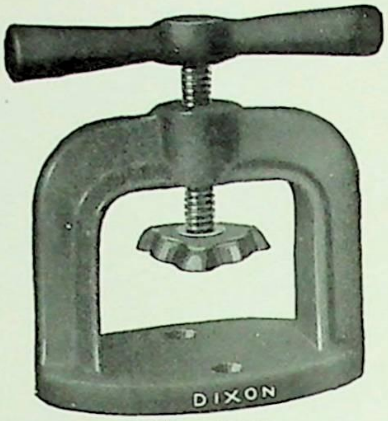


Fig. 9788

FLASK PRESS

No. 2

The frame and handle are semi-steel castings.

Weight, 6¼ lbs.; inside dimensions; 2¾″ x 3$\frac{13}{16}$″; outside dimensions of frame, 5″ x 6″.
Carefully finished.

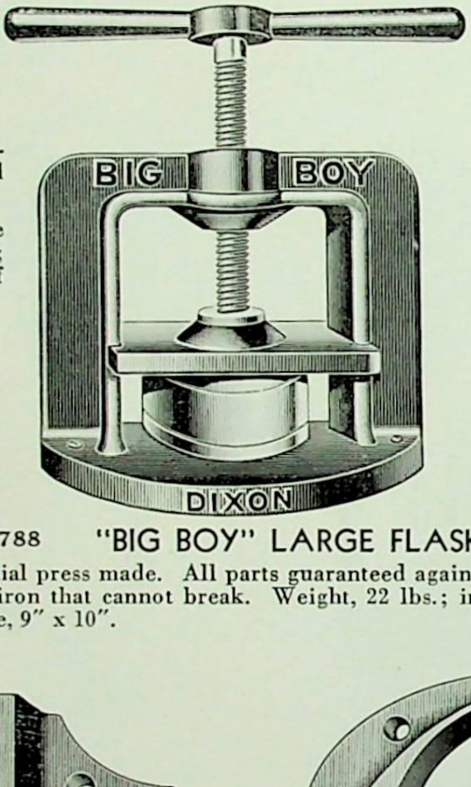


Fig. A 9788 **"BIG BOY" LARGE FLASK PRESS**

Most powerful and substantial press made. All parts guaranteed against defects for a period of five years. Made of malleable iron that cannot break. Weight, 22 lbs.; inside dimensions, 4¼″ x 6″; outside dimensions of frame, 9″ x 10″.

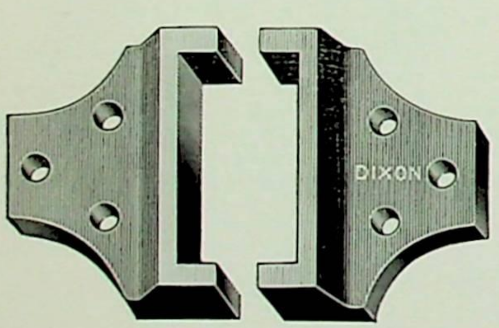


Fig. A 9786

"IDEAL" PRESS CLAMPS

Saves the hands from burns when tightening or opening the press. Screw the clamps fast to your bench, using an Ideal Press as a gauge for the distance apart.

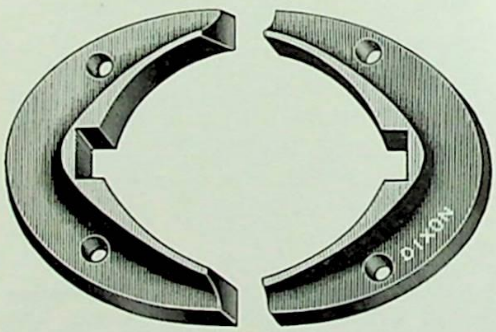


Fig. A 9787

"CHAMPION" PRESS CLAMPS

Screw the clamps fast to your bench, using a "Champion" Press as a gauge for distance apart.

FLASK WRENCH, TONGS AND BOLTS

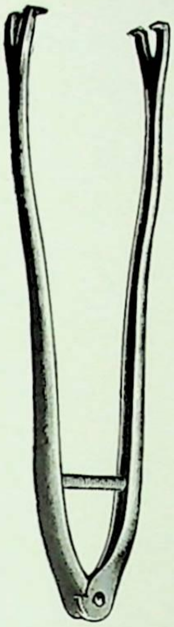


Fig. A 9789

FLASK TONGS

Extreme Length, 13½"
Made of iron, nickel dipped.

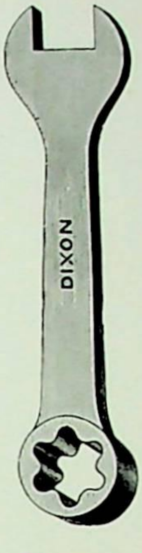


Fig. 9789

WRENCH FOR
WHITNEY FLASKS

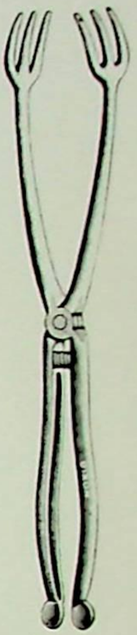


Fig. 9791

FLASK TONGS

Extreme Length, 11½"
Malleable iron, dull dipped nickel finish.

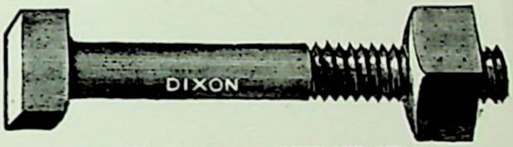


Fig. 9790 "WHITNEY"

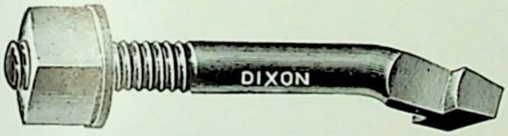


Fig 9792 "SLOT"

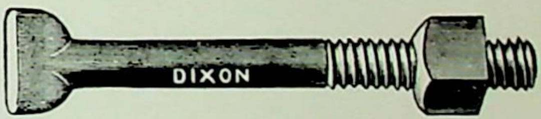


Fig. 9793 "REVERSIBLE"

The Dixon Flask Bolts are manufactured from special patterns of forged steel and heavy case-hardened nuts which give considerable additional wear to the bolt in comparison to other makes. We believe our Flask Bolts to be the strongest and most durable on the market. Each set is put up in a neat carton and labeled.

Fig. 9790.	Whitney Regular, for Nos. 2, 18 and 24 Lewis.
Fig. 9792.	Whitney Slot, for Nos. 7 and 13 Flasks.
Fig. 9793.	Reversible Bolts for No. 2R.
Fig. 9794.	Reversible Bolts for No. 20R.

Put up in sets individually boxed or in 100 sets in bulk.

INDEX

INDEX

A

Page

Abrasive Bands 12
Abrasive Band Chucks 12
Abrasive Rolls 12
Abrasive Wheels, Emery 15
Acid Pans 68-69
Agate Spatula 62
Air Chamber Metal 120
Air Syringe 136
Alcohol Lamps 30-32
Aloxite Stones 103
Aluminum Impression Trays 140-143
Aluminum Sheet 120
Alundum Wheels 37
Amalgam Carrier 139
Amberine Flux 47
Annealing Trays 32
Anvils 48
Anvil Vises 126
Arbor, Abrasive Band 12
Arkansas Oil Stones 102
Arkansas Oil Stone Wheel 39
Arms, Flexible 127-128
Articulators 112-113
Articulating Paper 124
Asbestos Blocks 45
Asbestos Fibre 22
Asbestos Powder 22
Attachment for Burs 49
Attachments, Motor 128-132

B

Babbitt Metal 121
B. & S. Gauges 100
Bands, Abrasive 12
Base Metals 121
Base Plate 123
Batterns Flux 48
Bellows, Foot 36
Belt Couplings 66
Belting, Round 66
Belts, Engine 67
Bench Block 48
Bench Vises 126
Benches, Dustless Polishing 133-135
Bender Clasp 80
Bernard's Nippers 80
Bernard's Pliers 77
Bibulous Paper 124
Binding Wire 123
Black's Saws 89
Block, Bench Filing 48
Block Holder, Asbestos 45
Blocks, Bone and Ivoride 104-105
Blocks, Celluloid 104-105
Blocks, Soldering 45
Blocks, Tenney's Ivoride 105
Blowers, Chip 136
Blowers, Foot 36
Blowers, Vernon 36
Blowpipes 28-29

Page

Bobbing Compound 22
Boley's Gauge 100
Bolts, Flask 149
Bone Blocks 105
Borax, Calcined 21
Borax Holder 47
Borax, Prepared 47
Borax Slates 47
Bottles, Medicine 59
Bottles, Office 59
Bowls, Plaster 120
Brass Brushes 9-11
Brass Calipers 100
Brass Flasks 145-147
Brass Lamp 32
Brass Sheet 120
Brass Weights 115-116
Brass Wire 123
Bridge Trays, Swivel 144
Bridge Work Systems 83-84
Brightboy Wheels 19-21
Bristle Brushes 6-11
Bristle Disks 6
Bronze Flasks 145-147
Broach Holders 27
Broaches, Plain 26
Brushes, Bristle 6-11
Brushes, Camels Hair 8
Brushes, Teeth Cleaning 6
Brushes for Handpiece 9
Brushes, Hand Scratch 11
Brushes, Metal Center 9
Brushes, Porte Polisher 6
Brushes, Red Sable Hair 8
Brushes, Tooth Clasp 8-9
Brush Wheels, Bristle 7-9-10
Brush Wheels, Wire 9-10
Buffing Motors 127-130
Buffing Wheels 16-19
Bulbs, Syringe 137-138
Burner, Boiling 32
Burners, Bunsen 33-35
Burners, Gas 32-35
Burs, Plate 49
Burs, Vulcanite 49
Bur Brushes 10
Bur Chucks 49-70

C

Calcined Borax 21
Calipers 100
Caliper Gauges 100
Camel Hair Brushes 8
Canning's Mandrels 25
Cans, Oil 103
Canton Flannel Buffs 18
Carbo Disks 15
Carborundum Powder 21
Carborundum Stones 103
Carborundum Wheels and Points 37-44
Carriers, Foil 106-107
Carver, Inlay 64
Casseroles, Porcelain 57

Page

Casting Rings 139
Cellophane 122
Celluloid Blocks 104-105
Celluloid Slips 105
Celluloid Strips 23
Cement Pad, Spooner's 58
Cement Spatulas 64
Chamois Wheels 19
Charcoal 46
Cheek Protector 26
Chip Blowers 136
Chisels, Vulcanite 96-99
Chucks, Abrasive Band 12
Chucks for Brushes 10
Chucks for Burs 49-70
Chucks for Polishing Lathe 129-132
Chucks for Redmond Lathe 70
Clamp, Cervical 119
Clamp, Hatch's 119
Clamps, Rubber Dam 118-119
Clamps, Press 148
Clamp Vises 126
Clasp Bender 80
Clasp Brushes, Tooth 8-9
Cloth Disks 14
Cloth, Emery 14
Common Sense Mandrels 25
Common Weights 116
Composition, Moulding 24
Compressors, Rotary 36
Cone Socket Handles 144
Cones, Carborundum 39
Cones, Felt 17
Cones, Garnet Paper 13
Copper Acid Pans 68-69
Copper Ladles 68
Copper Matrix Metal 121
Copper Sheet 120
Copper Wire 123
Cord, Endless Engine 67
Cotton Flannel Buffs 18
Cotton Holder 111
Cotton Wheels 17
Cotton Wood 70
Couplings, Belt 66
Cratex Wheels 20
Crown Die Plates 81-83
Crown Hammers 53
Crown Mallets 56
Crown Scissors 93-94
Crown Shears 93-94
Crown Swager 85
Crown System 82-83
Cup, Impression 116
Cups, Glass 60
Cups, Rubber, Points, etc. 119
Cuttle Fish Strips 23
Cutting Nippers 79-80

D

Dappen's Glass Cups 59
Dent-Kraft Wheels 19

INDEX —Continued

Page
Dental Engines 127
Dental Lathes 127-130
Dental Oil 103
Dentimeters 27
Diamond Dressers 44
Diamond Drill 15
Diamontine Powder 21
Die Plates, Crown 81-83
Disks, Bristle 6
Disks, Carbo 15
Disks, Cloth 14
Disks, Felt 17
Disks, Paper 14
Disks, Polishing 19-21
Disks, Rubber for Bellows 36
Disks, Separating 15
Dividers 100
Dixon's Disks 6
Dixon Vac 133
Donham Flasks 147
Double Action Foot Blower 36
Draw Plates 86
Draw Tongs 86
Dressers, Diamond 44
Dressers, Wheel 44
Drill, Diamond 15
Dumore Products 127-129
Duplex Connection 26
Duplex Springs 85
Dust Collecting Systems 133-135

E

Ebony Handles 52
Ebony Mercury Holder 104
Electric Dust Collector 133-135
Electric Polishing Motors 127-130
Eliminator, Wax 33
Emery Cloth and Paper 14
Emery Paper Disks 14
Emery Powder 21
Enamel Strips 23
Engine Belts 67
Engine, Dental 127
Engine Oil 103
Eye Glass, Folding 101

F

Fahnstock's Spatula 64
Fancy File Handles 52
Felt Cones 17
Felt Disks 17
Felt Wheels 16-17
File Cards 52
File Handles 52
Files, Flexo 51
Files, Gold Plate 50-51
Files, Separating 51
Files, True Flexible 51
Files, Vulcanite 50
Fine Troy Weights 115
Finishers, Vulcanite 96-99

Page
Finishing Strips 23
Flame Shield 32
Flannel Buffs 18
Flask Bolts 149
Flask Clamps 147-148
Flasks, Donham's 146
Flasks, Lewis 146
Flask Presses 148
Flask Springs 147
Flask Tongs 149
Flasks, Whitney's 145
Flask Wrench 149
Flat Saw Blades 89
Fletcher Mortars and Pestles 59
Flexible Files, True 51
Flexible Shafts 128
Flux, Soldering 47-48
Foil, Tin 121
Foil Carriers 106-107
Foil Shears 94
Foot Blowers 36
Forceps, Rubber Dam 117
Frame, Heating 33
Frames, Saw 88-89
Furnaces, Gas 45
Fusible Metal 116-121

G

Garnet Paper Cones 13
Gas Burners 32-35
Gas Furnaces 45
Gasoline Blowpipe 28
Gauges, Boley's 100
Gauges, Caliper 100
Gauges, Millimeter 100
Gauges, Wire 100
German Silver Sheets 120
Glass Bottles 59
Glass, Folding Eye 101
Glass Mortars and Pestles 59
Glass Tablets and Slabs 58
Gold Scales 114-115
Gold Weights 115-116
Graft's Specialties 123-124
Grain Weights 115
Guard, Stone 26
Guilford Screw Plate 87

H

Hair Brushes, Camel's 8
Hammers, Crown 53
Hammer Handles 52
Hammers, Hide-Faced 54
Hammers, Riveting 53-54
Hammers, Swaging 55
Hand Draw Tongs 86
Hand Rolling Mill 71
Hand Scales 114
Hand Scouring Brushes 9
Hand Scratch Brushes 11
Hand Vises 125
Handles, Cone Socket 144

Page
Handles, File 52
Handles, Hammer 52
Handles, Mirror 144
Handle, Scraper 52
Handpieces 26
Hatch's Clamp 119
Heads, Polishing 127-130
Head, Rubber 12
Heatless Wheels 39
Hecolite Flask 147
Hecolite Polish 24
Hecolite Saws 91
Herkules Saws 91
Hickory Handles 52
Holders, Block 46
Holders, Borax 47
Holders, Broach 27
Holders, Cotton 111
Holders, Mercury 104
Holders, Napkin 101
Holders, Rubber Dam 117
Holders, Sprue 13
Hone, Carborundum 103
Horn Mallets 56
Horn Mercury Holder 104
Hot Plate 33
Hubs for Brushes 10
Hunt's Syringe 139

I

Impression Trays, Aluminum 140-143
India Oil Stones 102
Investment Spider 33
Investment or Inlay Tong 110
Iron Ladles 69
Iron Wire 123
Ivory Instruments 61
Ivoride Blocks, Tenney's 104-105

K

Key Hole Saw Frames 89
Kingsley's Scrapers 97
Knife, Bone Foil 62
Knives 64-66

L

Laboratory Brushes 8-11
Ladles, Melting 68-69
Lamps, Alcohol 30-32
Lamps, Shield 32
Lamp Wicks 30
Lathe Chucks 129-132
Lathes, Polishing 127-130
Lathe Splashers 131
Lathe Wheels, Carborundum 37
Lead 121
Lead Ladles 69
Leather Belting 66
Leather Wheels 19
Lignum-Vitae Mallets 55

INDEX—Continued

Page
Lighter, Shoot-a-Lite 34
Little Giant Furnace 45
Locking Tweezers 108-111
Loupes, Folding 101
Lowell Vises 125

M

Mallets, Horn 56
Mallets, Plugging 55
Mallets, Swaging 56
Mallets, Rawhide 54
Mandrels 25
Maplewood Handles 52
Mechanical Saw Frames 88
Medicine Bottles 59
Melotte's Blow Pipe 28
Melotte's Metal 116-121
Melting Blocks 46
Melting Furnaces 45
Melting Ladles 68-69
Mercury Holders 104
Metal, Copper Matrix 121
Metal, Fusible 116-121
Metals, All Kinds 120-121
Millimeter Gauges 100
Mills, Hand Rolling 71
Mixing Tablets and Slabs 58
Modeling Composition 24-116
Moose Hide Disks 19
Mortars and Pestles 59
Motors, Electric Polishing 127-130
Moulding Composition 24-116
Moulding Outfit 116
Moulding Sand 45
Mucilage Bottles 59
Muslin Buffs 18

N

Napkin Holders 101
Needle Files 51
Nets for Bellow 36
Nickel Silver Wire 121
Nippers, End 79
Nippers, Side 79-80

O

Office Bottles 59
Office Knives 64-66
Office Pliers 73
Oils 103
Oil Cans 103
Oil Stones 102
Orange Wood 70
Outfits, Moulding 116

P

Pad, Spooner's Cement 58
Palette, Mixing 58
Pans, Acid 68-69

Page
Paper, Articulating 124
Paper, Bibulous 124
Paper Cones 13
Paper Disks 14
Paper, Emery and Sand 14
Pestles and Mortars 59
Piano Wire 121
Pin Vises 125
Pipes, Blow 28-29
Place Swager 85
Plaster Bowls 120
Plaster Knives 65-66
Plaster Spatulas 61-64
Plate Burs 49
Plate Finisher, Rubber 14
Plate, Hot 33
Plate Polish 24
Plate Punch 80
Plate Shears 92-95
Plate Trimmers, Carborundum 39
Plates, Crown Die 81-83
Plates, Draw 86
Plates, Screw 87
Pliers, Band Soldering 106
Pliers, Chain 77-78
Pliers, Clasp Bending 80
Pliers, Collar 72
Pliers, Cone Socket 75
Pliers, Contouring 71-76
Pliers, Crown 77
Pliers, Cusp 74
Pliers, Cutting 79-80
Pliers, Flat Nose 73-78
Pliers, Half Round 78
Pliers, Laboratory 71-80
Pliers, Nerve Canal 76
Pliers, Office 73
Pliers, Round Nose 78
Pliers, Stretching 76
Plugging Mallets 55
Points, Carborundum 39-44
Points, Moose Hide 19
Polish, Hecolite 24
Polish, Plate 24
Polish, White Diamond 23
Polishing Benches, Dustless 133-135
Polishing Lathes, Electric 127-130
Polishing Powders 21-22
Polishing Strips 23
Polishing Wheels 16-21
Porcelain Casseroles 57
Porcelain Tablets 58
Porte Polisher Brushes 6
Porte Polisher, Carb. 39
Powders, Polishing 21-22
Preparation Bottles 59
Prepared Borax 47
Presses, Flask 147
Pumice Stone Powder 22
Pumice Wheels 19
Punch Plate 80
Punch, Rubber Dam 117

R Page
Rawhide Mallets 54
Receiver, Waste 111
Red Sable Hair Brushes 8
Reducer, Brass 45
Retainers, Matrix 119
Ribbon Saws 90
Rings, Casting 139
Riveting Hammers 53-54
Rolling Mills, Hand 71
Rouge Powder 21
Rouge Stick 22
Rubber Cups 119
Rubber Dam Clamps 118-119
Rubber Dam Forceps 117
Rubber Dam Holders 117
Rubber Dam Punch 117
Rubber Dam Shears 95
Rubber Dam Weights 117
Rubber Disks 36
Rubber Files 50
Rubber Head 12
Rubber Polishing Disks, Cups 119
Rubber Ring 116
Rubber Spatulas 62
Rubber Tubing 45
Rubber Plate Finisher 14
Ruby Crystal Strips 23

S

Sand, Moulding 45
Sand Paper 14
Sand Paper Disks 14
Saw Blades 89-91
Saw Frames 88-89
Saws, Mechanical 91
Saws, Ribbon 90
Scales, Weighing 114-115
Scissors, Collar and Crown 93-94
Scissors, Gum Cutting 95
Scissors, Rubber Dam 95
Scraper Handles 52
Scrapers, Vulcanite 96-99
Scratch Brushes 9-11
Screw Drivers 87
Screw Plates 87
Sealing Wax 56
Separating Disks 15
Separating Files 51
Separators 119
Shears, Crown 93-94
Shears, Foil 94
Shears, Plate 92-95
Shears, Universal Crown 95
Sheet Metals 120
Shoot-a-Lite 34
Shield, Flame 32
Silver Solder 57
Simplicity Lamps 31
Slabs, Mixing 58
Slates, Borax 47
Smith's Mandrels 25

INDEX—Continued

Page
Soft Soldering Flux 47
Solder, Silver 57
Solder, Soft 57
Soldering Blocks 46
Soldering Flux 47-48
Soldering Pliers, Band 106
Soldering Tongs 111
Soldering Tweezers 106-111
Spatulas 61-64
Spatulator 120
Spherical Lamps 31
Spiders 33-34
Spindles for Lathes 135
Spiral Saws 91
Splashers for Polishing Lathes 131
Spooner's Syringe 137
Springs, Duplex 85
Springs, Flask 147
Sprue Forming Device 13
Sprue Holders 13
Spunk 21
Starrett's Nippers 79
Steel Brushes 9-11
Steel Soldering Tongs 111
Steel Spatulas 62-64
Stone Guard 25
Stone Truers 44
Stones, Oil 102
Strips, Celluloid 23
Strips, Enamel 23
Strips, Ruby Crystal 23
Students' Lamps 31
Swagers 85
Swaging Hammers 55
Swaging Mallets 56
Syringes 136-139
System, Crown 82-83

T
Page
Tablets, Porcelain 58
Taps, Extra 87
Teeth Cleaning Brushes 6
Tenney's Ivoride Blocks 105
Terraplastica 124
Three-in-One Oil 103
Tin Foil 122
Tongs, Draw 86
Tongs, Flask 149
Tongs, Inlay 110
Tongs, Soldering 111
Tooth Clasp Brushes 8-9
Tooth Polishing Cups 119
Trays, Annealing 32
Trays, Impression 140-143
Trays, Swivel Bridge 144
Trimmers, Vulcanite 96
Tripoli 23
Tripod, Laboratory 33
Troy Weights 115
Truers, Stone 44
Tubing, Rubber 45
Tweezers 106-111

V
Varnish Bottles 59
Varnishing Brushes 8
Vernon Rotary Compressors 36
Vises, Bench 126
Vises, Hand 125
Vises, Pin 125
Vulcanite Burs 49
Vulcanite Chisels 96-99
Vulcanite Files 50
Vulcanite Finishers 96
Vulcanite Scrapers 96-99
Vulcanite Trimmers 96-99

W
Page
Waste Receiver 111
Water Syringe 136-139
Wax Eliminator 33
Wax, Sealing 56
Wax Spatulas 64
Wedgewood Mortars 59
Weighing Scales 114-115
Weights 115-116
Weights, Rubber Dam 117
Weights, Troy 115
Wheel Dressers 44
Wheels, Grinding 37-39
White Diamond Polish 23
White Felt Wheels 16
White Rouge 22
Whitewood Handles 52
Whiting, Selected 22
Whitney Flasks 145
Wicks, Lamp 30
Wilson's Scrapers 96
Wire Gauge 100
Wire, Nickel Silver 121
Wire Nippers 79-80
Wire, Piano 121
Wire Scratch Brushes 9-10
Wire, Spooled 123
Wire Wheels, Brush 9-10
Woods, Selected 70
Wrench, Flask 149

Y
Yankee Sprue Forming Device 13

Z
Zinc Ladles 69
Zinc 121

PATENT OFFICE

MAY 27 1948

DESIGN DIVISION

RETURN TO
DESIGN DIV.